

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: P936288

Luminaire Tested: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936288  
REPORT IS A COMBINATION OF REPORTS P933445 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

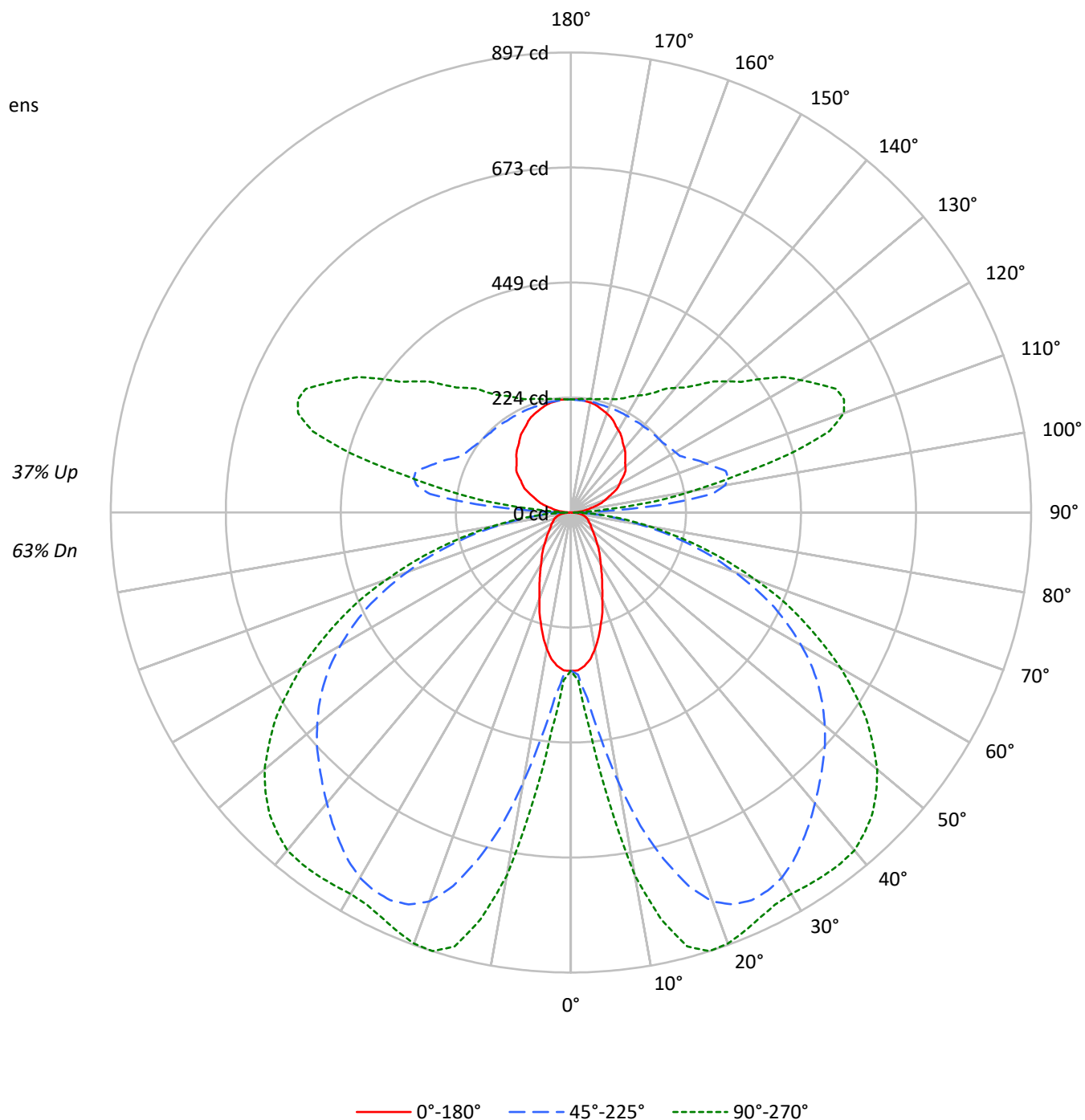
Lumens per Lamp: N/A  
Luminaire Lumens: 3817.8 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 33  
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: P936288

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P936288

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

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

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1908 | 1908 | 1908 |
| 5°  | 1863 | 2204 | 2565 |
| 10° | 1690 | 3213 | 4252 |
| 15° | 1435 | 4197 | 5135 |
| 20° | 1169 | 4862 | 5233 |
| 25° | 975  | 5087 | 5126 |
| 30° | 821  | 5118 | 5117 |
| 35° | 726  | 5031 | 5249 |
| 40° | 632  | 4920 | 5386 |
| 45° | 572  | 4837 | 5407 |
| 50° | 524  | 4762 | 5317 |
| 55° | 501  | 4654 | 5082 |
| 60° | 513  | 4448 | 4710 |
| 65° | 533  | 4136 | 4197 |
| 70° | 566  | 3604 | 3547 |
| 75° | 626  | 2936 | 2768 |
| 80° | 677  | 2033 | 1865 |
| 85° | 596  | 1079 | 955  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5407 cd/sqm

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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.9   | 1.0       |
| 10°-20°   | 176.8  | 4.6       |
| 20°-30°   | 309.3  | 8.1       |
| 30°-40°   | 398.2  | 10.4      |
| 40°-50°   | 444.7  | 11.6      |
| 50°-60°   | 426.0  | 11.2      |
| 60°-70°   | 337.6  | 8.8       |
| 70°-80°   | 198.5  | 5.2       |
| 80°-90°   | 56.0   | 1.5       |
| 90°-100°  | 107.6  | 2.8       |
| 100°-110° | 282.9  | 7.4       |
| 110°-120° | 293.3  | 7.7       |
| 120°-130° | 235.3  | 6.2       |
| 130°-140° | 184.6  | 4.8       |
| 140°-150° | 141.7  | 3.7       |
| 150°-160° | 102.0  | 2.7       |
| 160°-170° | 62.4   | 1.6       |
| 170°-180° | 21.1   | 0.6       |
| 0°-30°    | 526.0  | 13.8      |
| 0°-40°    | 924.2  | 24.2      |
| 0°-60°    | 1794.9 | 47.0      |
| 0°-90°    | 2387.0 | 62.5      |
| 90°-120°  | 683.7  | 17.9      |
| 90°-150°  | 1245.2 | 32.6      |
| 90°-180°  | 1431.0 | 37.5      |
| 0°-180°   | 3817.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 308 | 308   | 308 | 308   | 308 |      |
| 5°   | 300 | 322   | 363 | 411   | 426 | 28   |
| 15°  | 225 | 416   | 700 | 849   | 876 | 63   |
| 25°  | 144 | 471   | 834 | 871   | 872 | 66   |
| 35°  | 97  | 450   | 785 | 830   | 863 | 61   |
| 45°  | 66  | 359   | 694 | 795   | 831 | 51   |
| 55°  | 48  | 228   | 589 | 684   | 703 | 43   |
| 65°  | 38  | 121   | 437 | 492   | 499 | 37   |
| 75°  | 28  | 74    | 240 | 264   | 265 | 29   |
| 85°  | 10  | 23    | 60  | 66    | 66  | 11   |
| 90°  | 2   | 4     | 11  | 6     | 6   | 2    |
| 95°  | 14  | 56    | 185 | 96    | 65  | 16   |
| 105° | 51  | 77    | 313 | 475   | 443 | 54   |
| 115° | 90  | 110   | 250 | 500   | 570 | 89   |
| 125° | 126 | 141   | 228 | 385   | 454 | 112  |
| 135° | 150 | 165   | 221 | 311   | 352 | 116  |
| 145° | 174 | 185   | 218 | 265   | 286 | 109  |
| 155° | 197 | 202   | 218 | 239   | 246 | 90   |
| 165° | 212 | 215   | 218 | 226   | 229 | 60   |
| 175° | 221 | 221   | 219 | 222   | 222 | 21   |
| 180° | 221 | 221   | 221 | 221   | 221 |      |

TEST NUMBER: P936288

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 308.4 | 308.4 | 308.4 | 308.4 | 308.4 | 308.4 | 308.4 | 308.4 | 308.4 | 308.4 | 308.4 |
| 2.5°   | 308.4 | 308.4 | 310.4 | 311.4 | 313.4 | 314.4 | 316.4 | 318.4 | 324.3 | 325.3 | 327.3 |
| 5°     | 300.5 | 304.5 | 317.4 | 322.3 | 336.2 | 355.1 | 362.9 | 375.9 | 402.7 | 410.6 | 415.6 |
| 7.5°   | 288.6 | 297.6 | 329.2 | 337.2 | 371.9 | 421.5 | 442.3 | 470.1 | 512.7 | 533.6 | 550.5 |
| 10°    | 269.8 | 288.6 | 345.1 | 364.0 | 420.5 | 495.9 | 534.6 | 573.3 | 637.7 | 666.4 | 677.4 |
| 12.5°  | 249.0 | 279.7 | 362.0 | 387.8 | 469.1 | 579.2 | 625.8 | 668.5 | 741.9 | 780.5 | 786.4 |
| 15°    | 225.1 | 266.8 | 377.8 | 415.6 | 520.7 | 648.6 | 700.2 | 752.8 | 821.2 | 848.9 | 855.9 |
| 17.5°  | 204.3 | 256.9 | 392.7 | 432.5 | 560.3 | 711.1 | 763.7 | 807.3 | 862.8 | 881.7 | 886.6 |
| 20°    | 178.6 | 241.0 | 402.7 | 454.3 | 602.1 | 756.8 | 807.3 | 841.1 | 878.7 | 890.7 | 892.6 |
| 22.5°  | 159.6 | 224.1 | 408.6 | 462.1 | 629.8 | 784.5 | 827.2 | 853.9 | 879.7 | 883.7 | 884.6 |
| 25°    | 143.9 | 205.3 | 407.6 | 471.1 | 653.6 | 801.3 | 834.1 | 853.9 | 868.8 | 870.7 | 870.7 |
| 27.5°  | 129.0 | 184.5 | 403.7 | 473.1 | 671.5 | 805.4 | 831.1 | 845.0 | 851.9 | 855.9 | 855.9 |
| 30°    | 116.1 | 164.7 | 393.7 | 469.1 | 679.4 | 801.3 | 822.2 | 829.1 | 836.0 | 842.0 | 845.0 |
| 32.5°  | 106.1 | 145.8 | 378.8 | 461.2 | 680.3 | 791.5 | 806.4 | 810.3 | 820.2 | 834.1 | 839.1 |
| 35°    | 97.2  | 127.0 | 362.0 | 450.3 | 674.4 | 775.6 | 785.4 | 789.5 | 809.3 | 830.1 | 837.0 |
| 37.5°  | 88.2  | 113.1 | 340.2 | 431.5 | 665.5 | 756.8 | 763.7 | 770.7 | 801.3 | 826.2 | 834.1 |
| 40°    | 79.4  | 101.2 | 314.4 | 410.6 | 651.6 | 733.9 | 739.9 | 750.7 | 791.5 | 820.2 | 828.1 |
| 42.5°  | 72.4  | 91.2  | 286.6 | 388.8 | 633.7 | 708.1 | 717.0 | 732.9 | 779.5 | 810.3 | 819.2 |
| 45°    | 66.5  | 81.3  | 256.9 | 359.0 | 610.9 | 681.3 | 694.2 | 716.0 | 765.6 | 795.4 | 803.3 |
| 47.5°  | 60.5  | 74.3  | 226.1 | 328.2 | 586.2 | 654.6 | 671.5 | 696.2 | 746.8 | 775.6 | 782.5 |
| 50°    | 55.5  | 67.4  | 195.4 | 295.5 | 559.4 | 625.8 | 645.6 | 671.5 | 723.0 | 749.8 | 758.7 |
| 52.5°  | 51.6  | 61.5  | 166.6 | 262.9 | 528.6 | 596.0 | 618.9 | 645.6 | 694.2 | 720.1 | 726.0 |
| 55°    | 47.6  | 56.5  | 141.8 | 228.1 | 496.8 | 564.3 | 589.1 | 614.9 | 662.5 | 684.3 | 688.3 |
| 57.5°  | 45.7  | 52.6  | 121.0 | 195.4 | 463.1 | 528.6 | 556.4 | 580.2 | 624.8 | 641.7 | 645.6 |
| 60°    | 42.7  | 49.6  | 105.1 | 167.6 | 426.4 | 494.9 | 518.7 | 542.5 | 580.2 | 594.1 | 597.0 |
| 62.5°  | 39.6  | 47.6  | 93.3  | 140.8 | 388.8 | 455.2 | 479.0 | 500.9 | 532.5 | 542.5 | 546.4 |
| 65°    | 37.7  | 45.7  | 84.3  | 121.0 | 350.1 | 413.5 | 437.4 | 456.2 | 482.0 | 491.9 | 493.9 |
| 67.5°  | 35.7  | 43.7  | 77.4  | 104.1 | 311.4 | 371.9 | 389.8 | 407.6 | 427.4 | 437.4 | 438.4 |
| 70°    | 32.7  | 41.6  | 71.4  | 92.2  | 271.7 | 324.3 | 339.2 | 358.0 | 373.9 | 378.8 | 381.9 |
| 72.5°  | 30.8  | 38.7  | 67.4  | 83.3  | 231.1 | 278.6 | 292.5 | 303.5 | 317.4 | 322.3 | 322.3 |
| 75°    | 27.8  | 34.7  | 63.5  | 74.3  | 189.4 | 228.1 | 240.0 | 250.9 | 261.8 | 263.9 | 260.8 |
| 77.5°  | 24.7  | 30.8  | 54.5  | 62.5  | 147.8 | 180.5 | 190.4 | 196.4 | 205.3 | 207.3 | 208.2 |
| 80°    | 20.8  | 26.8  | 42.7  | 48.6  | 107.1 | 132.9 | 139.8 | 144.8 | 152.7 | 152.7 | 154.7 |
| 82.5°  | 15.9  | 20.8  | 30.8  | 34.7  | 72.4  | 91.2  | 97.2  | 100.2 | 105.1 | 105.1 | 105.1 |
| 85°    | 10.0  | 12.9  | 19.8  | 22.8  | 43.7  | 55.5  | 59.6  | 60.5  | 64.5  | 65.5  | 65.5  |
| 87.5°  | 4.9   | 6.9   | 12.9  | 13.9  | 22.8  | 28.8  | 28.8  | 30.8  | 30.8  | 29.8  | 28.8  |
| 90°    | 1.5   | 2.7   | 3.8   | 4.1   | 6.5   | 9.7   | 11.2  | 10.0  | 7.5   | 5.6   | 5.6   |
| 92.5°  | 5.9   | 16.0  | 26.0  | 28.6  | 40.2  | 55.7  | 63.4  | 55.5  | 39.8  | 28.1  | 27.0  |
| 95°    | 14.2  | 32.6  | 51.1  | 55.7  | 98.9  | 156.5 | 185.3 | 165.4 | 125.4 | 95.5  | 92.2  |
| 97.5°  | 24.6  | 40.8  | 57.1  | 61.1  | 133.2 | 229.2 | 277.3 | 264.6 | 239.5 | 220.6 | 214.2 |
| 100°   | 32.6  | 47.3  | 62.1  | 65.8  | 145.7 | 252.3 | 305.6 | 306.4 | 308.3 | 309.7 | 302.0 |
| 102.5° | 39.4  | 53.2  | 66.9  | 70.4  | 151.4 | 259.5 | 313.5 | 329.6 | 361.8 | 385.9 | 379.3 |
| 105°   | 51.0  | 62.6  | 74.2  | 77.2  | 155.7 | 260.3 | 312.7 | 348.6 | 420.7 | 474.8 | 471.2 |
| 107.5° | 62.8  | 73.7  | 84.5  | 87.3  | 156.5 | 248.8 | 294.9 | 345.2 | 445.7 | 521.0 | 521.9 |
| 110°   | 70.8  | 80.7  | 90.4  | 92.9  | 155.3 | 238.5 | 280.1 | 336.3 | 448.6 | 532.8 | 536.5 |

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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 78.7  | 88.0  | 97.3  | 99.7  | 155.3 | 229.5 | 266.6 | 324.1 | 439.1 | 525.2 | 530.9 |
| 115°   | 90.5  | 99.2  | 107.8 | 109.9 | 156.8 | 219.2 | 250.4 | 305.9 | 416.6 | 499.6 | 507.5 |
| 117.5° | 102.2 | 110.0 | 117.8 | 119.8 | 159.6 | 212.8 | 239.4 | 289.4 | 389.3 | 464.2 | 472.9 |
| 120°   | 109.1 | 116.4 | 123.7 | 125.6 | 162.1 | 210.7 | 235.0 | 280.6 | 371.9 | 440.4 | 448.9 |
| 122.5° | 115.7 | 123.2 | 130.5 | 132.4 | 165.5 | 209.5 | 231.5 | 272.6 | 354.9 | 416.6 | 425.0 |
| 125°   | 125.9 | 132.7 | 139.5 | 141.2 | 170.1 | 208.6 | 227.9 | 262.8 | 332.7 | 385.0 | 392.7 |
| 127.5° | 134.2 | 141.0 | 147.9 | 149.6 | 174.6 | 208.0 | 224.7 | 254.7 | 314.7 | 359.7 | 366.2 |
| 130°   | 138.6 | 146.0 | 153.3 | 155.2 | 178.0 | 208.3 | 223.5 | 250.2 | 303.6 | 343.6 | 349.6 |
| 132.5° | 143.3 | 150.7 | 158.0 | 159.8 | 180.7 | 208.6 | 222.5 | 246.4 | 294.2 | 330.0 | 335.3 |
| 135°   | 150.1 | 156.8 | 163.5 | 165.2 | 183.7 | 208.4 | 220.8 | 240.8 | 280.8 | 310.8 | 315.4 |
| 137.5° | 157.1 | 163.7 | 170.3 | 172.0 | 188.1 | 209.7 | 220.5 | 237.4 | 271.2 | 296.6 | 300.3 |
| 140°   | 162.8 | 168.9 | 175.0 | 176.6 | 190.9 | 209.9 | 219.4 | 234.0 | 263.3 | 285.2 | 288.7 |
| 142.5° | 167.2 | 172.8 | 178.6 | 179.9 | 193.1 | 210.6 | 219.4 | 232.2 | 257.9 | 277.2 | 280.2 |
| 145°   | 174.0 | 179.0 | 183.9 | 185.2 | 196.1 | 210.6 | 217.9 | 228.4 | 249.4 | 265.1 | 267.4 |
| 147.5° | 180.8 | 185.7 | 190.5 | 191.7 | 200.5 | 212.1 | 217.9 | 226.2 | 242.7 | 255.1 | 257.0 |
| 150°   | 185.3 | 189.6 | 194.0 | 195.1 | 202.7 | 212.9 | 217.9 | 224.9 | 238.8 | 249.3 | 250.8 |
| 152.5° | 189.9 | 193.2 | 196.5 | 197.3 | 204.2 | 213.4 | 217.9 | 223.8 | 235.8 | 244.7 | 245.9 |
| 155°   | 196.7 | 199.2 | 201.6 | 202.2 | 207.5 | 214.5 | 217.9 | 222.6 | 232.1 | 239.2 | 240.0 |
| 157.5° | 201.7 | 204.1 | 206.5 | 207.1 | 210.7 | 215.5 | 217.9 | 221.6 | 228.9 | 234.5 | 235.1 |
| 160°   | 205.2 | 207.1 | 208.8 | 209.3 | 212.2 | 216.0 | 217.9 | 221.1 | 227.4 | 232.1 | 232.4 |
| 162.5° | 208.5 | 209.9 | 211.3 | 211.7 | 213.8 | 216.5 | 217.9 | 220.6 | 225.9 | 229.9 | 230.2 |
| 165°   | 212.3 | 213.5 | 214.8 | 215.0 | 216.0 | 217.3 | 217.9 | 219.8 | 223.6 | 226.5 | 226.8 |
| 167.5° | 215.6 | 216.2 | 216.8 | 217.0 | 217.8 | 218.9 | 219.4 | 220.7 | 223.1 | 225.0 | 225.1 |
| 170°   | 217.9 | 218.5 | 219.1 | 219.2 | 219.3 | 219.4 | 219.4 | 220.7 | 223.1 | 225.0 | 225.0 |
| 172.5° | 219.1 | 219.2 | 219.4 | 219.4 | 219.4 | 219.4 | 219.4 | 220.4 | 222.3 | 223.8 | 223.7 |
| 175°   | 220.8 | 220.8 | 220.8 | 220.8 | 220.3 | 219.7 | 219.4 | 220.0 | 221.3 | 222.2 | 222.2 |
| 177.5° | 220.8 | 220.8 | 220.8 | 220.8 | 220.4 | 219.9 | 219.7 | 220.2 | 221.2 | 221.9 | 221.8 |
| 180°   | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 | 220.8 |

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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 0°     | 308.4 | 308.4 |
| 2.5°   | 329.2 | 327.3 |
| 5°     | 423.5 | 425.5 |
| 7.5°   | 570.3 | 569.3 |
| 10°    | 709.1 | 718.0 |
| 12.5°  | 810.3 | 812.3 |
| 15°    | 871.8 | 875.8 |
| 17.5°  | 895.6 | 896.6 |
| 20°    | 896.6 | 894.6 |
| 22.5°  | 885.6 | 883.7 |
| 25°    | 872.8 | 871.8 |
| 27.5°  | 860.9 | 861.9 |
| 30°    | 855.9 | 858.9 |
| 32.5°  | 855.9 | 860.9 |
| 35°    | 857.9 | 862.8 |
| 37.5°  | 856.9 | 862.8 |
| 40°    | 852.9 | 859.9 |
| 42.5°  | 842.0 | 847.0 |
| 45°    | 825.2 | 831.1 |
| 47.5°  | 803.3 | 807.3 |
| 50°    | 775.6 | 779.5 |
| 52.5°  | 740.9 | 741.9 |
| 55°    | 699.2 | 703.2 |
| 57.5°  | 654.6 | 655.6 |
| 60°    | 605.0 | 608.0 |
| 62.5°  | 552.5 | 552.5 |
| 65°    | 496.8 | 498.8 |
| 67.5°  | 439.4 | 444.3 |
| 70°    | 380.9 | 381.9 |
| 72.5°  | 323.3 | 323.3 |
| 75°    | 263.9 | 264.8 |
| 77.5°  | 207.3 | 207.3 |
| 80°    | 153.7 | 154.7 |
| 82.5°  | 106.1 | 108.1 |
| 85°    | 66.5  | 66.5  |
| 87.5°  | 30.8  | 27.8  |
| 90°    | 5.6   | 5.6   |
| 92.5°  | 22.5  | 18.0  |
| 95°    | 78.6  | 65.1  |
| 97.5°  | 188.3 | 162.5 |
| 100°   | 271.3 | 240.6 |
| 102.5° | 353.0 | 326.7 |
| 105°   | 457.1 | 442.9 |
| 107.5° | 525.2 | 528.7 |
| 110°   | 551.3 | 566.1 |



TEST NUMBER: P936288

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 112.5° | 553.5 | 576.2 |
| 115°   | 538.8 | 570.3 |
| 117.5° | 507.8 | 542.6 |
| 120°   | 482.7 | 516.6 |
| 122.5° | 458.3 | 491.6 |
| 125°   | 423.4 | 454.2 |
| 127.5° | 392.1 | 418.1 |
| 130°   | 373.6 | 397.6 |
| 132.5° | 356.8 | 378.3 |
| 135°   | 333.9 | 352.4 |
| 137.5° | 315.5 | 330.6 |
| 140°   | 302.8 | 317.0 |
| 142.5° | 292.3 | 304.6 |
| 145°   | 276.7 | 285.9 |
| 147.5° | 264.6 | 272.2 |
| 150°   | 257.1 | 263.3 |
| 152.5° | 250.5 | 255.3 |
| 155°   | 243.0 | 246.2 |
| 157.5° | 237.2 | 239.4 |
| 160°   | 233.7 | 235.0 |
| 162.5° | 231.4 | 232.6 |
| 165°   | 228.1 | 229.3 |
| 167.5° | 225.7 | 226.2 |
| 170°   | 225.0 | 225.0 |
| 172.5° | 223.2 | 222.8 |
| 175°   | 222.2 | 222.2 |
| 177.5° | 221.3 | 220.8 |
| 180°   | 220.8 | 220.8 |

TEST NUMBER: P936288

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-6-3000K

**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 | 4.31             | 5.35  | 5.14  | 6.21  | 7.29  | 17.48          | 18.51 | 18.31 | 19.37 | 20.45 |
|                 | 3H   | 5.03             | 5.96  | 5.87  | 6.84  | 7.94  | 19.32          | 20.26 | 20.17 | 21.13 | 22.23 |
|                 | 4H   | 5.34             | 6.22  | 6.20  | 7.10  | 8.21  | 19.97          | 20.86 | 20.83 | 21.74 | 22.85 |
|                 | 6H   | 5.60             | 6.41  | 6.47  | 7.30  | 8.43  | 20.41          | 21.23 | 21.28 | 22.11 | 23.24 |
|                 | 8H   | 5.67             | 6.45  | 6.55  | 7.35  | 8.48  | 20.53          | 21.31 | 21.41 | 22.22 | 23.34 |
|                 | 12H  | 5.69             | 6.44  | 6.58  | 7.33  | 8.49  | 20.60          | 21.35 | 21.49 | 22.24 | 23.40 |
| 4H              | 2H   | 11.54            | 12.42 | 12.40 | 13.30 | 14.42 | 17.77          | 18.66 | 18.64 | 19.53 | 20.65 |
|                 | 3H   | 13.12            | 13.86 | 14.00 | 14.77 | 15.90 | 19.83          | 20.57 | 20.71 | 21.48 | 22.61 |
|                 | 4H   | 13.23            | 13.90 | 14.12 | 14.81 | 15.96 | 20.60          | 21.28 | 21.49 | 22.18 | 23.34 |
|                 | 6H   | 13.25            | 13.83 | 14.15 | 14.76 | 15.92 | 21.15          | 21.73 | 22.05 | 22.66 | 23.82 |
|                 | 8H   | 13.23            | 13.78 | 14.14 | 14.70 | 15.87 | 21.31          | 21.86 | 22.22 | 22.78 | 23.95 |
|                 | 12H  | 13.19            | 13.69 | 14.12 | 14.63 | 15.81 | 21.41          | 21.91 | 22.34 | 22.85 | 24.03 |
| 8H              | 4H   | 14.68            | 15.23 | 15.59 | 16.16 | 17.33 | 20.68          | 21.22 | 21.58 | 22.15 | 23.32 |
|                 | 6H   | 14.93            | 15.39 | 15.87 | 16.35 | 17.53 | 21.31          | 21.76 | 22.24 | 22.73 | 23.90 |
|                 | 8H   | 14.95            | 15.36 | 15.90 | 16.31 | 17.50 | 21.53          | 21.93 | 22.47 | 22.89 | 24.08 |
|                 | 12H  | 14.93            | 15.29 | 15.88 | 16.24 | 17.47 | 21.68          | 22.03 | 22.63 | 22.99 | 24.22 |
| 12H             | 4H   | 14.83            | 15.33 | 15.76 | 16.27 | 17.45 | 20.64          | 21.13 | 21.57 | 22.08 | 23.25 |
|                 | 6H   | 15.19            | 15.60 | 16.14 | 16.55 | 17.74 | 21.29          | 21.70 | 22.24 | 22.66 | 23.84 |
|                 | 8H   | 15.27            | 15.63 | 16.22 | 16.58 | 17.81 | 21.53          | 21.89 | 22.48 | 22.84 | 24.07 |