

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: P937186

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

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937186  
REPORT IS A COMBINATION OF REPORTS P933502 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-075U-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**

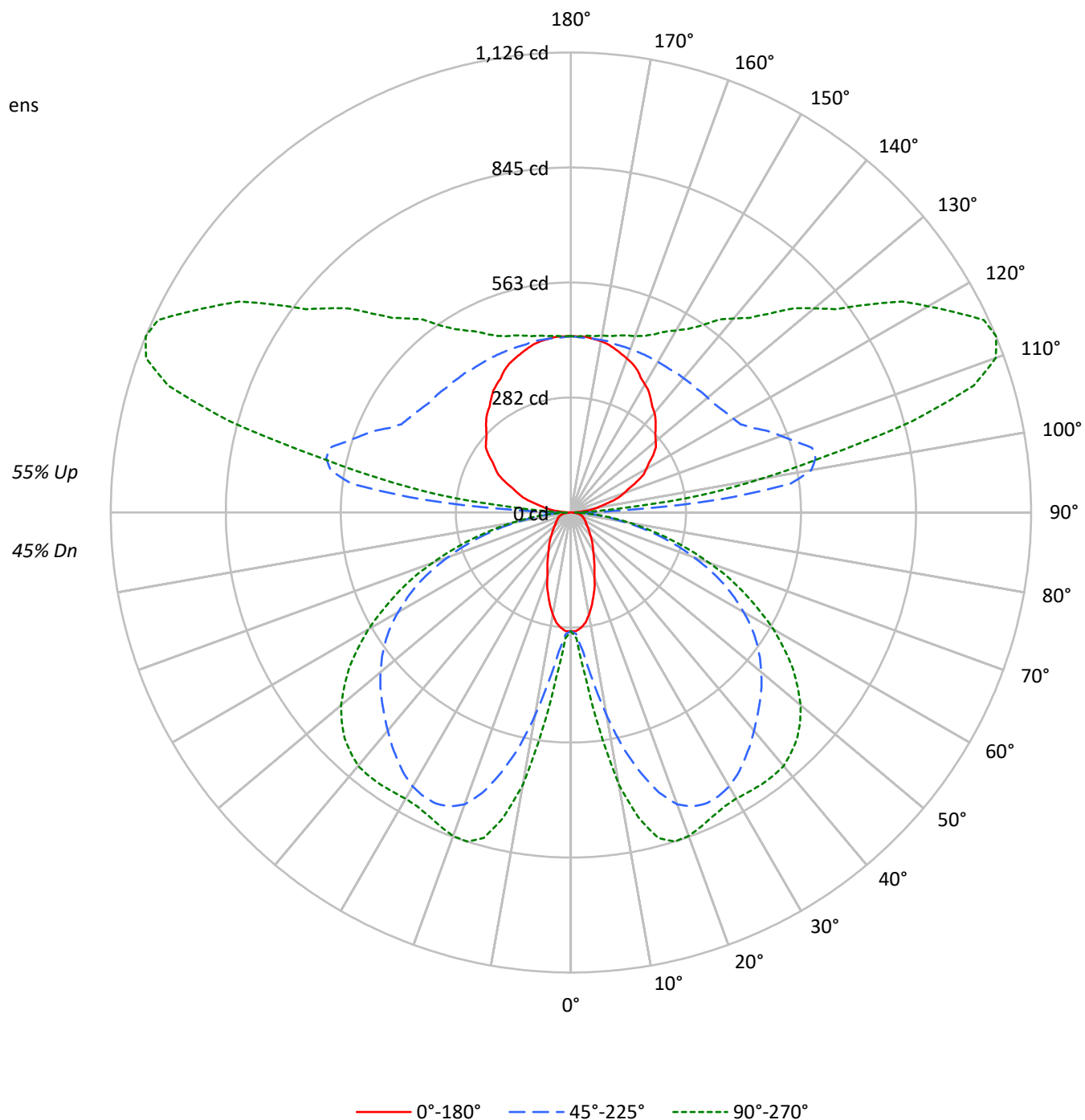
Lumens per Lamp: N/A  
Luminaire Lumens: 5045.4 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 42.4  
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: P937186

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

### Luminous Intensity Polar Plot



TEST NUMBER: P937186

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**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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 |
| 1   | 96  | 92  | 88  | 84  | 88 | 84 | 80 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 44 | 43 | 42 |
| 2   | 87  | 79  | 73  | 68  | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 44 | 38 | 36 | 35 |
| 3   | 79  | 69  | 62  | 56  | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 |
| 4   | 72  | 61  | 53  | 47  | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 24 |
| 5   | 66  | 54  | 46  | 39  | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 26 | 23 | 21 |
| 6   | 60  | 48  | 40  | 34  | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 21 | 18 |
| 7   | 56  | 43  | 35  | 29  | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 21 | 18 | 16 |
| 8   | 51  | 39  | 31  | 26  | 47 | 36 | 29 | 24 | 30 | 24 | 21 | 25 | 20 | 17 | 20 | 16 | 14 |
| 9   | 48  | 35  | 28  | 23  | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 12 |
| 10  | 44  | 32  | 25  | 20  | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 16 | 13 | 11 |

**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: P937186

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

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 37.6   | 0.7       |
| 10°-20°   | 166.5  | 3.3       |
| 20°-30°   | 291.3  | 5.8       |
| 30°-40°   | 375.0  | 7.4       |
| 40°-50°   | 418.8  | 8.3       |
| 50°-60°   | 401.1  | 8.0       |
| 60°-70°   | 317.9  | 6.3       |
| 70°-80°   | 186.9  | 3.7       |
| 80°-90°   | 53.6   | 1.1       |
| 90°-100°  | 210.3  | 4.2       |
| 100°-110° | 552.9  | 11.0      |
| 110°-120° | 573.3  | 11.4      |
| 120°-130° | 459.8  | 9.1       |
| 130°-140° | 360.8  | 7.2       |
| 140°-150° | 276.9  | 5.5       |
| 150°-160° | 199.4  | 4.0       |
| 160°-170° | 122.0  | 2.4       |
| 170°-180° | 41.2   | 0.8       |
| 0°-30°    | 495.4  | 9.8       |
| 0°-40°    | 870.4  | 17.3      |
| 0°-60°    | 1690.3 | 33.5      |
| 0°-90°    | 2248.7 | 44.6      |
| 90°-120°  | 1336.4 | 26.5      |
| 90°-150°  | 2433.9 | 48.2      |
| 90°-180°  | 2797.0 | 55.4      |
| 0°-180°   | 5045.4 | 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°  | 3   | 8     | 22  | 11    | 11   | 3    |
| 95°  | 28  | 109   | 362 | 187   | 127  | 31   |
| 105° | 100 | 151   | 611 | 928   | 866  | 106  |
| 115° | 177 | 215   | 490 | 977   | 1115 | 175  |
| 125° | 246 | 276   | 445 | 752   | 888  | 219  |
| 135° | 293 | 323   | 431 | 608   | 689  | 227  |
| 145° | 340 | 362   | 426 | 518   | 559  | 213  |
| 155° | 384 | 395   | 426 | 468   | 481  | 177  |
| 165° | 415 | 420   | 426 | 443   | 448  | 117  |
| 175° | 431 | 431   | 429 | 434   | 434  | 41   |
| 180° | 431 | 431   | 431 | 431   | 431  |      |

TEST NUMBER: P937186

CATALOG NUMBER: SQ4-FB-075U-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°    | 2.9   | 5.2   | 7.6   | 8.1   | 12.8  | 19.0  | 22.0  | 19.6  | 14.7  | 11.0   | 11.0   |
| 92.5°  | 11.6  | 31.3  | 50.9  | 55.9  | 78.5  | 108.8 | 123.9 | 108.6 | 78.0  | 55.0   | 52.9   |
| 95°    | 27.8  | 63.9  | 99.9  | 108.9 | 193.3 | 305.9 | 362.2 | 323.2 | 245.2 | 186.7  | 180.1  |
| 97.5°  | 48.1  | 79.9  | 111.6 | 119.6 | 260.4 | 448.1 | 542.0 | 517.3 | 468.1 | 431.1  | 418.5  |
| 100°   | 63.7  | 92.5  | 121.3 | 128.5 | 284.8 | 493.2 | 597.3 | 599.1 | 602.7 | 605.4  | 590.4  |
| 102.5° | 77.1  | 104.0 | 130.8 | 137.5 | 296.0 | 507.3 | 613.0 | 644.4 | 707.1 | 754.2  | 741.3  |
| 105°   | 99.6  | 122.4 | 145.1 | 150.8 | 304.3 | 508.9 | 611.2 | 681.6 | 822.4 | 927.9  | 921.0  |
| 107.5° | 122.7 | 144.0 | 165.2 | 170.5 | 305.9 | 486.2 | 576.5 | 674.6 | 871.0 | 1018.2 | 1019.9 |
| 110°   | 138.4 | 157.6 | 176.8 | 181.6 | 303.6 | 466.2 | 547.5 | 657.3 | 876.7 | 1041.4 | 1048.6 |

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CATALOG NUMBER: SQ4-FB-075U-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° | 153.7 | 172.0 | 190.3 | 194.8 | 303.6 | 448.7 | 521.2 | 633.5 | 858.2 | 1026.7 | 1037.8 |
| 115°   | 176.9 | 193.7 | 210.6 | 214.8 | 306.4 | 428.5 | 489.6 | 597.9 | 814.3 | 976.6  | 991.9  |
| 117.5° | 199.8 | 215.1 | 230.4 | 234.2 | 312.1 | 415.9 | 467.8 | 565.5 | 760.8 | 907.4  | 924.4  |
| 120°   | 213.1 | 227.5 | 241.9 | 245.5 | 316.7 | 411.7 | 459.2 | 548.4 | 726.9 | 860.8  | 877.3  |
| 122.5° | 226.1 | 240.7 | 255.2 | 258.8 | 323.4 | 409.5 | 452.5 | 532.8 | 693.6 | 814.2  | 830.5  |
| 125°   | 246.1 | 259.4 | 272.6 | 275.9 | 332.4 | 407.7 | 445.3 | 513.6 | 650.2 | 752.5  | 767.6  |
| 127.5° | 262.4 | 275.7 | 289.1 | 292.4 | 341.4 | 406.7 | 439.3 | 497.9 | 615.1 | 703.0  | 715.7  |
| 130°   | 271.0 | 285.4 | 299.8 | 303.5 | 347.9 | 407.2 | 436.9 | 489.1 | 593.5 | 671.7  | 683.4  |
| 132.5° | 280.0 | 294.4 | 308.8 | 312.4 | 353.2 | 407.7 | 434.9 | 481.6 | 575.1 | 645.1  | 655.6  |
| 135°   | 293.3 | 306.4 | 319.5 | 322.8 | 359.0 | 407.3 | 431.4 | 470.5 | 548.8 | 607.5  | 616.5  |
| 137.5° | 306.9 | 319.9 | 332.9 | 336.1 | 367.7 | 409.8 | 430.9 | 463.9 | 530.0 | 579.6  | 587.0  |
| 140°   | 318.2 | 330.2 | 342.1 | 345.1 | 373.0 | 410.2 | 428.8 | 457.4 | 514.4 | 557.3  | 564.2  |
| 142.5° | 326.9 | 337.9 | 348.9 | 351.7 | 377.4 | 411.7 | 428.8 | 453.9 | 504.1 | 541.7  | 547.7  |
| 145°   | 340.2 | 349.9 | 359.5 | 361.9 | 383.2 | 411.7 | 425.9 | 446.5 | 487.5 | 518.3  | 522.8  |
| 147.5° | 353.5 | 362.9 | 372.3 | 374.6 | 391.7 | 414.5 | 425.9 | 442.1 | 474.4 | 498.6  | 502.3  |
| 150°   | 362.2 | 370.7 | 379.2 | 381.4 | 396.2 | 416.0 | 425.9 | 439.5 | 466.8 | 487.3  | 490.3  |
| 152.5° | 371.2 | 377.6 | 384.1 | 385.6 | 399.1 | 416.9 | 425.9 | 437.6 | 460.8 | 478.3  | 480.5  |
| 155°   | 384.5 | 389.3 | 394.0 | 395.2 | 405.4 | 419.1 | 425.9 | 435.2 | 453.6 | 467.6  | 469.1  |
| 157.5° | 394.3 | 399.0 | 403.7 | 404.8 | 411.8 | 421.2 | 425.9 | 433.1 | 447.5 | 458.3  | 459.3  |
| 160°   | 401.0 | 404.6 | 408.2 | 409.1 | 414.7 | 422.2 | 425.9 | 432.1 | 444.5 | 453.7  | 454.3  |
| 162.5° | 407.7 | 410.4 | 413.1 | 413.8 | 417.8 | 423.2 | 425.9 | 431.1 | 441.5 | 449.3  | 449.9  |
| 165°   | 414.9 | 417.3 | 419.7 | 420.4 | 422.3 | 424.7 | 425.9 | 429.6 | 437.1 | 442.7  | 443.4  |
| 167.5° | 421.5 | 422.6 | 423.8 | 424.1 | 425.7 | 427.8 | 428.8 | 431.2 | 436.2 | 439.8  | 440.1  |
| 170°   | 425.9 | 427.0 | 428.2 | 428.5 | 428.6 | 428.7 | 428.8 | 431.2 | 436.2 | 439.8  | 439.8  |
| 172.5° | 428.2 | 428.5 | 428.7 | 428.8 | 428.8 | 428.8 | 428.8 | 430.8 | 434.6 | 437.5  | 437.3  |
| 175°   | 431.4 | 431.4 | 431.4 | 431.4 | 430.6 | 429.4 | 428.8 | 430.0 | 432.4 | 434.3  | 434.3  |
| 177.5° | 431.4 | 431.4 | 431.4 | 431.4 | 430.8 | 429.8 | 429.4 | 430.3 | 432.3 | 433.7  | 433.5  |
| 180°   | 431.4 | 431.4 | 431.4 | 431.4 | 431.4 | 431.4 | 431.4 | 431.4 | 431.4 | 431.4  | 431.4  |

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CATALOG NUMBER: SQ4-FB-075U-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°    | 11.0   | 11.0   |
| 92.5°  | 44.1   | 35.3   |
| 95°    | 153.6  | 127.1  |
| 97.5°  | 368.1  | 317.7  |
| 100°   | 530.3  | 470.2  |
| 102.5° | 689.9  | 638.4  |
| 105°   | 893.4  | 865.7  |
| 107.5° | 1026.7 | 1033.4 |
| 110°   | 1077.5 | 1106.3 |



TEST NUMBER: P937186

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

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1082.0 | 1126.3 |
| 115°   | 1053.4 | 1114.7 |
| 117.5° | 992.5  | 1060.6 |
| 120°   | 943.4  | 1009.6 |
| 122.5° | 895.7  | 961.0  |
| 125°   | 827.6  | 887.7  |
| 127.5° | 766.3  | 817.1  |
| 130°   | 730.3  | 777.1  |
| 132.5° | 697.5  | 739.4  |
| 135°   | 652.7  | 688.8  |
| 137.5° | 616.6  | 646.2  |
| 140°   | 592.0  | 619.6  |
| 142.5° | 571.4  | 595.2  |
| 145°   | 540.8  | 558.8  |
| 147.5° | 517.2  | 532.2  |
| 150°   | 502.4  | 514.5  |
| 152.5° | 489.7  | 498.8  |
| 155°   | 475.1  | 481.2  |
| 157.5° | 463.6  | 467.8  |
| 160°   | 456.7  | 459.2  |
| 162.5° | 452.2  | 454.6  |
| 165°   | 445.8  | 448.2  |
| 167.5° | 441.1  | 442.2  |
| 170°   | 439.8  | 439.8  |
| 172.5° | 436.4  | 435.4  |
| 175°   | 434.3  | 434.3  |
| 177.5° | 432.4  | 431.4  |
| 180°   | 431.4  | 431.4  |

TEST NUMBER: P937186

CATALOG NUMBER: SQ4-FB-075U-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 | 3.92             | 4.76  | 4.91  | 5.78  | 7.12  | 17.06          | 17.90 | 18.05 | 18.92 | 20.26 |
|                 | 3H   | 4.62             | 5.38  | 5.63  | 6.40  | 7.77  | 18.88          | 19.64 | 19.89 | 20.66 | 22.03 |
|                 | 4H   | 4.92             | 5.64  | 5.94  | 6.67  | 8.04  | 19.52          | 20.24 | 20.53 | 21.26 | 22.63 |
|                 | 6H   | 5.17             | 5.84  | 6.20  | 6.86  | 8.25  | 19.93          | 20.60 | 20.96 | 21.63 | 23.01 |
|                 | 8H   | 5.24             | 5.87  | 6.27  | 6.92  | 8.30  | 20.05          | 20.68 | 21.08 | 21.73 | 23.11 |
|                 | 12H  | 5.26             | 5.86  | 6.30  | 6.90  | 8.30  | 20.11          | 20.71 | 21.15 | 21.75 | 23.15 |
| 4H              | 2H   | 11.11            | 11.83 | 12.13 | 12.85 | 14.23 | 17.33          | 18.05 | 18.36 | 19.08 | 20.45 |
|                 | 3H   | 12.68            | 13.28 | 13.71 | 14.33 | 15.72 | 19.36          | 19.97 | 20.39 | 21.02 | 22.40 |
|                 | 4H   | 12.77            | 13.33 | 13.81 | 14.37 | 15.78 | 20.12          | 20.67 | 21.16 | 21.71 | 23.12 |
|                 | 6H   | 12.78            | 13.26 | 13.83 | 14.33 | 15.73 | 20.64          | 21.12 | 21.69 | 22.19 | 23.59 |
|                 | 8H   | 12.76            | 13.20 | 13.81 | 14.26 | 15.68 | 20.80          | 21.24 | 21.85 | 22.30 | 23.72 |
|                 | 12H  | 12.71            | 13.12 | 13.78 | 14.19 | 15.62 | 20.88          | 21.29 | 21.95 | 22.36 | 23.79 |
| 8H              | 4H   | 14.20            | 14.65 | 15.26 | 15.71 | 17.13 | 20.18          | 20.62 | 21.23 | 21.68 | 23.10 |
|                 | 6H   | 14.45            | 14.82 | 15.52 | 15.92 | 17.33 | 20.79          | 21.16 | 21.87 | 22.26 | 23.68 |
|                 | 8H   | 14.46            | 14.79 | 15.55 | 15.87 | 17.31 | 21.01          | 21.33 | 22.09 | 22.42 | 23.85 |
|                 | 12H  | 14.43            | 14.72 | 15.52 | 15.80 | 17.27 | 21.14          | 21.43 | 22.23 | 22.51 | 23.98 |
| 12H             | 4H   | 14.34            | 14.75 | 15.41 | 15.82 | 17.25 | 20.13          | 20.53 | 21.20 | 21.61 | 23.03 |
|                 | 6H   | 14.70            | 15.03 | 15.78 | 16.11 | 17.55 | 20.78          | 21.10 | 21.86 | 22.19 | 23.62 |
|                 | 8H   | 14.77            | 15.06 | 15.86 | 16.14 | 17.61 | 21.00          | 21.28 | 22.09 | 22.36 | 23.84 |