

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: P936294

Luminaire Tested: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936294  
REPORT IS A COMBINATION OF REPORTS P933453 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-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

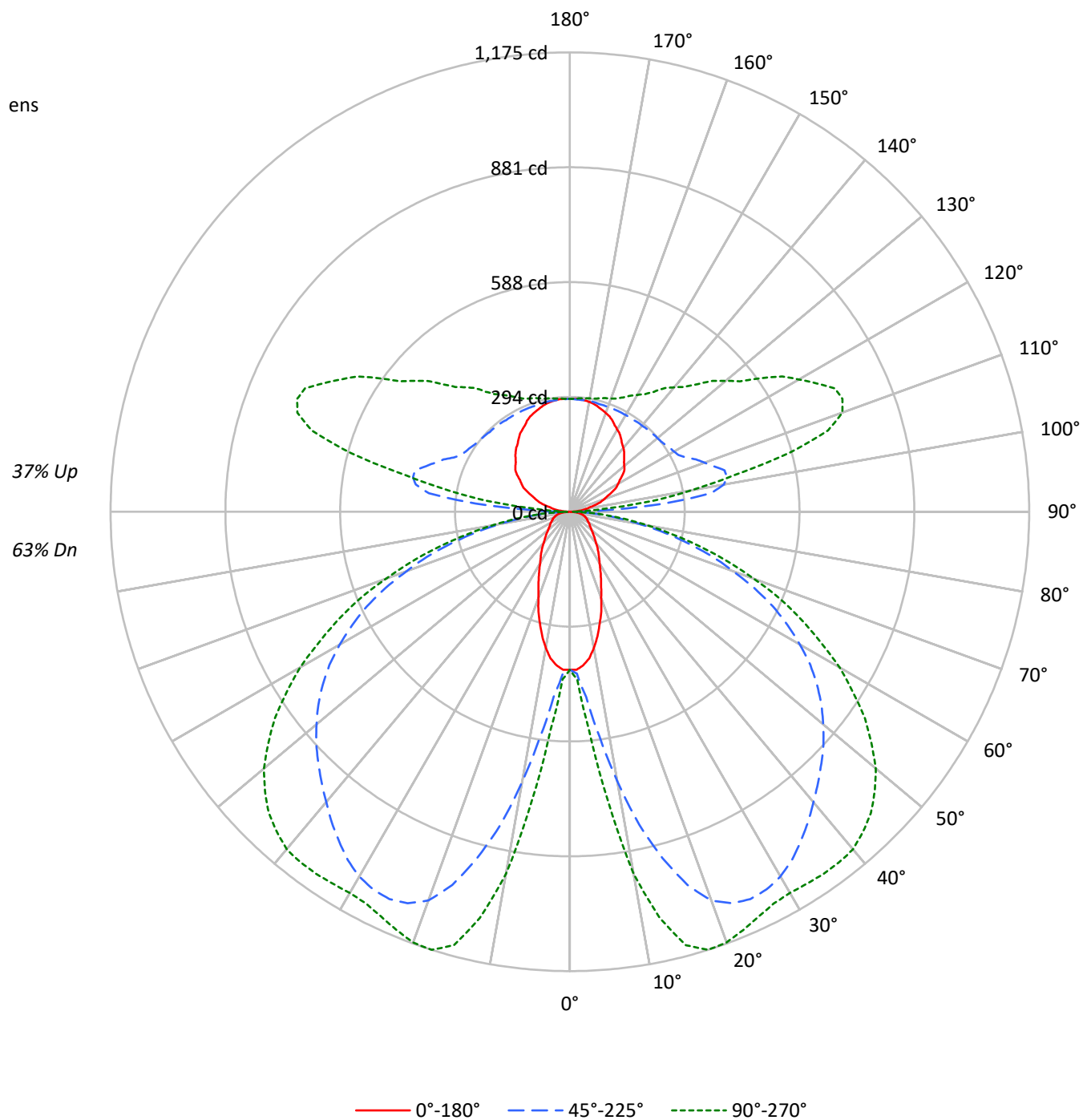
Lumens per Lamp: N/A  
Luminaire Lumens: 5003.0 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 44  
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: P936294

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-8-3500K

### Luminous Intensity Polar Plot



TEST NUMBER: P936294

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-8-3500K

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

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1875 | 1875 | 1875 |
| 5°  | 1832 | 2168 | 2521 |
| 10° | 1662 | 3160 | 4179 |
| 15° | 1413 | 4128 | 5046 |
| 20° | 1150 | 4784 | 5143 |
| 25° | 959  | 5006 | 5039 |
| 30° | 808  | 5037 | 5029 |
| 35° | 715  | 4954 | 5159 |
| 40° | 623  | 4845 | 5294 |
| 45° | 564  | 4765 | 5314 |
| 50° | 518  | 4694 | 5226 |
| 55° | 496  | 4589 | 4994 |
| 60° | 508  | 4388 | 4628 |
| 65° | 528  | 4081 | 4126 |
| 70° | 563  | 3559 | 3486 |
| 75° | 623  | 2902 | 2720 |
| 80° | 681  | 2012 | 1832 |
| 85° | 606  | 1068 | 938  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5314 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.3   | 1.0       |
| 10°-20°   | 231.7  | 4.6       |
| 20°-30°   | 405.3  | 8.1       |
| 30°-40°   | 521.8  | 10.4      |
| 40°-50°   | 582.8  | 11.6      |
| 50°-60°   | 558.2  | 11.2      |
| 60°-70°   | 442.4  | 8.8       |
| 70°-80°   | 260.1  | 5.2       |
| 80°-90°   | 73.4   | 1.5       |
| 90°-100°  | 141.0  | 2.8       |
| 100°-110° | 370.6  | 7.4       |
| 110°-120° | 384.3  | 7.7       |
| 120°-130° | 308.3  | 6.2       |
| 130°-140° | 241.9  | 4.8       |
| 140°-150° | 185.7  | 3.7       |
| 150°-160° | 133.7  | 2.7       |
| 160°-170° | 81.8   | 1.6       |
| 170°-180° | 27.6   | 0.6       |
| 0°-30°    | 689.4  | 13.8      |
| 0°-40°    | 1211.2 | 24.2      |
| 0°-60°    | 2352.2 | 47.0      |
| 0°-90°    | 3128.1 | 62.5      |
| 90°-120°  | 895.9  | 17.9      |
| 90°-150°  | 1631.8 | 32.6      |
| 90°-180°  | 1875.0 | 37.5      |
| 0°-180°   | 5003.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 404 | 404   | 404  | 404   | 404  |      |
| 5°   | 394 | 422   | 476  | 538   | 558  | 36   |
| 15°  | 295 | 545   | 918  | 1112  | 1148 | 82   |
| 25°  | 188 | 617   | 1093 | 1141  | 1142 | 87   |
| 35°  | 127 | 590   | 1029 | 1088  | 1131 | 80   |
| 45°  | 87  | 470   | 910  | 1042  | 1089 | 67   |
| 55°  | 62  | 299   | 772  | 897   | 922  | 57   |
| 65°  | 49  | 158   | 573  | 645   | 654  | 49   |
| 75°  | 36  | 98    | 314  | 346   | 347  | 38   |
| 85°  | 13  | 30    | 78   | 86    | 87   | 14   |
| 90°  | 2   | 5     | 15   | 7     | 7    | 2    |
| 95°  | 19  | 73    | 243  | 125   | 85   | 21   |
| 105° | 67  | 101   | 410  | 622   | 580  | 71   |
| 115° | 119 | 144   | 328  | 655   | 747  | 117  |
| 125° | 165 | 185   | 298  | 504   | 595  | 146  |
| 135° | 197 | 216   | 289  | 407   | 462  | 152  |
| 145° | 228 | 243   | 286  | 348   | 375  | 143  |
| 155° | 258 | 265   | 286  | 314   | 323  | 118  |
| 165° | 278 | 282   | 286  | 297   | 300  | 79   |
| 175° | 289 | 289   | 288  | 291   | 291  | 27   |
| 180° | 289 | 289   | 289  | 289   | 289  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0°     | 404.2 | 404.2 | 404.2 | 404.2 | 404.2 | 404.2  | 404.2  | 404.2  | 404.2  | 404.2  | 404.2  |
| 2.5°   | 404.2 | 404.2 | 406.8 | 408.1 | 410.7 | 412.0  | 414.6  | 417.3  | 425.0  | 426.3  | 428.9  |
| 5°     | 393.8 | 399.0 | 415.9 | 422.4 | 440.6 | 465.3  | 475.7  | 492.5  | 527.7  | 538.1  | 544.6  |
| 7.5°   | 378.2 | 389.9 | 431.5 | 441.9 | 487.4 | 552.3  | 579.7  | 616.1  | 671.9  | 699.2  | 721.3  |
| 10°    | 353.5 | 378.2 | 452.3 | 477.0 | 551.1 | 649.8  | 700.6  | 751.3  | 835.7  | 873.4  | 887.7  |
| 12.5°  | 326.3 | 366.5 | 474.4 | 508.1 | 614.7 | 759.0  | 820.2  | 876.0  | 972.2  | 1022.9 | 1030.6 |
| 15°    | 295.1 | 349.6 | 495.2 | 544.6 | 682.4 | 850.0  | 917.6  | 986.4  | 1076.2 | 1112.5 | 1121.6 |
| 17.5°  | 267.7 | 336.6 | 514.7 | 566.7 | 734.3 | 931.9  | 1000.8 | 1058.0 | 1130.7 | 1155.4 | 1161.9 |
| 20°    | 233.9 | 315.8 | 527.7 | 595.3 | 789.0 | 991.7  | 1058.0 | 1102.1 | 1151.6 | 1167.2 | 1169.8 |
| 22.5°  | 209.2 | 293.7 | 535.5 | 605.6 | 825.3 | 1028.1 | 1083.9 | 1119.1 | 1152.8 | 1158.1 | 1159.3 |
| 25°    | 188.5 | 269.0 | 534.2 | 617.3 | 856.5 | 1050.2 | 1093.0 | 1119.1 | 1138.6 | 1141.2 | 1141.2 |
| 27.5°  | 169.0 | 241.8 | 529.0 | 620.0 | 879.9 | 1055.3 | 1089.2 | 1107.4 | 1116.5 | 1121.6 | 1121.6 |
| 30°    | 152.0 | 215.8 | 516.0 | 614.7 | 890.3 | 1050.2 | 1077.4 | 1086.5 | 1095.6 | 1103.5 | 1107.4 |
| 32.5°  | 139.1 | 191.1 | 496.5 | 604.4 | 891.6 | 1037.1 | 1056.7 | 1061.8 | 1074.8 | 1093.0 | 1099.5 |
| 35°    | 127.3 | 166.4 | 474.4 | 590.0 | 883.8 | 1016.4 | 1029.4 | 1034.6 | 1060.6 | 1087.9 | 1096.9 |
| 37.5°  | 115.7 | 148.2 | 445.8 | 565.4 | 872.1 | 991.7  | 1000.8 | 1009.9 | 1050.2 | 1082.7 | 1093.0 |
| 40°    | 104.0 | 132.6 | 412.0 | 538.1 | 853.9 | 961.8  | 969.6  | 983.9  | 1037.1 | 1074.8 | 1085.3 |
| 42.5°  | 94.9  | 119.6 | 375.6 | 509.5 | 830.5 | 928.0  | 939.7  | 960.5  | 1021.6 | 1061.8 | 1073.6 |
| 45°    | 87.1  | 106.6 | 336.6 | 470.4 | 800.6 | 892.9  | 909.8  | 938.4  | 1003.4 | 1042.4 | 1052.7 |
| 47.5°  | 79.3  | 97.5  | 296.3 | 430.2 | 768.1 | 857.9  | 879.9  | 912.4  | 978.7  | 1016.4 | 1025.5 |
| 50°    | 72.8  | 88.4  | 256.0 | 387.3 | 733.0 | 820.2  | 846.1  | 879.9  | 947.5  | 982.6  | 994.3  |
| 52.5°  | 67.5  | 80.6  | 218.3 | 344.4 | 692.7 | 781.1  | 811.1  | 846.1  | 909.8  | 943.6  | 951.4  |
| 55°    | 62.4  | 74.1  | 185.9 | 298.9 | 651.2 | 739.5  | 772.0  | 805.8  | 868.2  | 896.8  | 902.0  |
| 57.5°  | 59.8  | 68.9  | 158.5 | 256.0 | 607.0 | 692.7  | 729.2  | 760.4  | 818.8  | 840.9  | 846.1  |
| 60°    | 55.9  | 65.0  | 137.8 | 219.7 | 558.9 | 648.6  | 679.8  | 711.0  | 760.4  | 778.5  | 782.5  |
| 62.5°  | 52.0  | 62.4  | 122.2 | 184.6 | 509.5 | 596.6  | 627.7  | 656.4  | 698.0  | 711.0  | 716.2  |
| 65°    | 49.4  | 59.8  | 110.5 | 158.5 | 458.8 | 542.0  | 573.2  | 597.9  | 631.7  | 644.7  | 647.3  |
| 67.5°  | 46.8  | 57.2  | 101.4 | 136.4 | 408.1 | 487.4  | 510.8  | 534.2  | 560.2  | 573.2  | 574.4  |
| 70°    | 42.9  | 54.6  | 93.6  | 120.8 | 356.1 | 425.0  | 444.5  | 469.2  | 490.0  | 496.5  | 500.4  |
| 72.5°  | 40.3  | 50.7  | 88.4  | 109.2 | 302.8 | 365.2  | 383.4  | 397.7  | 415.9  | 422.4  | 422.4  |
| 75°    | 36.4  | 45.4  | 83.1  | 97.5  | 248.3 | 298.9  | 314.5  | 328.8  | 343.1  | 345.7  | 341.9  |
| 77.5°  | 32.5  | 40.3  | 71.5  | 81.9  | 193.7 | 236.5  | 249.5  | 257.4  | 269.0  | 271.6  | 273.0  |
| 80°    | 27.3  | 35.1  | 55.9  | 63.7  | 140.4 | 174.1  | 183.2  | 189.7  | 200.2  | 200.2  | 202.7  |
| 82.5°  | 20.8  | 27.3  | 40.3  | 45.4  | 94.9  | 119.6  | 127.3  | 131.3  | 137.8  | 137.8  | 137.8  |
| 85°    | 13.0  | 16.9  | 26.0  | 29.8  | 57.2  | 72.8   | 78.0   | 79.3   | 84.5   | 85.8   | 85.8   |
| 87.5°  | 6.5   | 9.1   | 16.9  | 18.2  | 29.8  | 37.7   | 37.7   | 40.3   | 40.3   | 39.0   | 37.7   |
| 90°    | 1.9   | 3.5   | 5.0   | 5.4   | 8.5   | 12.7   | 14.7   | 13.1   | 9.8    | 7.4    | 7.4    |
| 92.5°  | 7.8   | 20.9  | 34.2  | 37.5  | 52.7  | 73.0   | 83.0   | 72.8   | 52.3   | 36.9   | 35.5   |
| 95°    | 18.6  | 42.7  | 67.0  | 73.0  | 129.6 | 205.0  | 242.8  | 216.7  | 164.4  | 125.2  | 120.7  |
| 97.5°  | 32.3  | 53.6  | 74.8  | 80.1  | 174.5 | 300.4  | 363.4  | 346.9  | 313.9  | 289.1  | 280.6  |
| 100°   | 42.7  | 62.0  | 81.3  | 86.1  | 190.9 | 330.5  | 400.4  | 401.7  | 404.1  | 405.9  | 395.8  |
| 102.5° | 51.6  | 69.7  | 87.7  | 92.2  | 198.5 | 340.1  | 411.0  | 432.0  | 474.0  | 505.6  | 497.0  |
| 105°   | 66.8  | 82.1  | 97.4  | 101.2 | 204.1 | 341.2  | 409.8  | 457.0  | 551.4  | 622.1  | 617.4  |
| 107.5° | 82.3  | 96.5  | 110.8 | 114.3 | 205.0 | 326.0  | 386.4  | 452.2  | 583.9  | 682.7  | 683.8  |
| 110°   | 92.8  | 105.6 | 118.5 | 121.7 | 203.5 | 312.5  | 367.1  | 440.6  | 587.8  | 698.2  | 703.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 103.1 | 115.3 | 127.5 | 130.6 | 203.6 | 300.8 | 349.4 | 424.7 | 575.3 | 688.3 | 695.7 |
| 115°   | 118.6 | 129.8 | 141.2 | 144.0 | 205.4 | 287.3 | 328.2 | 400.8 | 545.9 | 654.8 | 665.0 |
| 117.5° | 133.9 | 144.2 | 154.5 | 157.1 | 209.3 | 278.9 | 313.7 | 379.2 | 510.1 | 608.3 | 619.8 |
| 120°   | 142.8 | 152.5 | 162.2 | 164.6 | 212.4 | 276.1 | 307.9 | 367.6 | 487.3 | 577.0 | 588.1 |
| 122.5° | 151.6 | 161.3 | 171.1 | 173.5 | 216.9 | 274.5 | 303.4 | 357.3 | 465.0 | 545.8 | 556.8 |
| 125°   | 165.0 | 173.9 | 182.8 | 185.0 | 222.9 | 273.4 | 298.5 | 344.3 | 435.9 | 504.5 | 514.5 |
| 127.5° | 175.9 | 184.8 | 193.8 | 196.0 | 228.9 | 272.6 | 294.5 | 333.8 | 412.4 | 471.3 | 479.8 |
| 130°   | 181.7 | 191.4 | 201.0 | 203.4 | 233.2 | 273.1 | 292.9 | 327.9 | 397.9 | 450.3 | 458.1 |
| 132.5° | 187.7 | 197.4 | 207.0 | 209.4 | 236.8 | 273.4 | 291.6 | 322.9 | 385.5 | 432.5 | 439.5 |
| 135°   | 196.6 | 205.4 | 214.2 | 216.5 | 240.7 | 273.1 | 289.2 | 315.5 | 367.9 | 407.3 | 413.3 |
| 137.5° | 205.7 | 214.4 | 223.2 | 225.4 | 246.5 | 274.7 | 288.9 | 311.0 | 355.3 | 388.6 | 393.5 |
| 140°   | 213.3 | 221.3 | 229.4 | 231.4 | 250.1 | 275.0 | 287.5 | 306.7 | 345.0 | 373.6 | 378.3 |
| 142.5° | 219.2 | 226.6 | 234.0 | 235.9 | 253.1 | 276.1 | 287.5 | 304.4 | 338.0 | 363.2 | 367.2 |
| 145°   | 228.1 | 234.6 | 241.0 | 242.6 | 257.0 | 276.1 | 285.6 | 299.3 | 326.8 | 347.5 | 350.5 |
| 147.5° | 237.0 | 243.3 | 249.6 | 251.2 | 262.6 | 277.9 | 285.6 | 296.4 | 318.0 | 334.2 | 336.7 |
| 150°   | 242.8 | 248.5 | 254.2 | 255.6 | 265.6 | 278.9 | 285.6 | 294.7 | 313.0 | 326.6 | 328.7 |
| 152.5° | 248.8 | 253.1 | 257.5 | 258.5 | 267.5 | 279.6 | 285.6 | 293.3 | 308.9 | 320.6 | 322.2 |
| 155°   | 257.8 | 261.0 | 264.1 | 264.9 | 271.8 | 281.0 | 285.6 | 291.8 | 304.2 | 313.5 | 314.4 |
| 157.5° | 264.3 | 267.4 | 270.5 | 271.3 | 276.1 | 282.4 | 285.6 | 290.4 | 300.0 | 307.3 | 307.9 |
| 160°   | 268.8 | 271.2 | 273.6 | 274.2 | 278.0 | 283.0 | 285.6 | 289.7 | 298.0 | 304.2 | 304.6 |
| 162.5° | 273.3 | 275.1 | 276.8 | 277.3 | 280.0 | 283.7 | 285.6 | 289.1 | 296.0 | 301.3 | 301.6 |
| 165°   | 278.2 | 279.8 | 281.5 | 281.9 | 283.1 | 284.8 | 285.6 | 288.1 | 293.0 | 296.8 | 297.2 |
| 167.5° | 282.7 | 283.4 | 284.2 | 284.4 | 285.5 | 286.8 | 287.5 | 289.1 | 292.4 | 294.9 | 295.1 |
| 170°   | 285.6 | 286.3 | 287.1 | 287.3 | 287.4 | 287.5 | 287.5 | 289.1 | 292.4 | 294.9 | 294.9 |
| 172.5° | 287.1 | 287.3 | 287.5 | 287.5 | 287.5 | 287.5 | 287.5 | 288.8 | 291.4 | 293.3 | 293.1 |
| 175°   | 289.2 | 289.2 | 289.2 | 289.2 | 288.7 | 287.9 | 287.5 | 288.3 | 289.9 | 291.2 | 291.2 |
| 177.5° | 289.2 | 289.2 | 289.2 | 289.2 | 288.8 | 288.2 | 287.9 | 288.6 | 289.8 | 290.8 | 290.6 |
| 180°   | 289.2 | 289.2 | 289.2 | 289.2 | 289.2 | 289.2 | 289.2 | 289.2 | 289.2 | 289.2 | 289.2 |

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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 404.2  | 404.2  |
| 2.5°   | 431.5  | 428.9  |
| 5°     | 554.9  | 557.6  |
| 7.5°   | 747.3  | 746.0  |
| 10°    | 929.3  | 941.0  |
| 12.5°  | 1061.8 | 1064.4 |
| 15°    | 1142.5 | 1147.7 |
| 17.5°  | 1173.7 | 1174.9 |
| 20°    | 1174.9 | 1172.3 |
| 22.5°  | 1160.7 | 1158.1 |
| 25°    | 1143.7 | 1142.5 |
| 27.5°  | 1128.1 | 1129.5 |
| 30°    | 1121.6 | 1125.6 |
| 32.5°  | 1121.6 | 1128.1 |
| 35°    | 1124.2 | 1130.7 |
| 37.5°  | 1123.0 | 1130.7 |
| 40°    | 1117.7 | 1126.9 |
| 42.5°  | 1103.5 | 1110.0 |
| 45°    | 1081.4 | 1089.2 |
| 47.5°  | 1052.7 | 1058.0 |
| 50°    | 1016.4 | 1021.6 |
| 52.5°  | 970.8  | 972.2  |
| 55°    | 916.3  | 921.5  |
| 57.5°  | 857.9  | 859.1  |
| 60°    | 792.8  | 796.7  |
| 62.5°  | 723.9  | 723.9  |
| 65°    | 651.2  | 653.8  |
| 67.5°  | 575.8  | 582.3  |
| 70°    | 499.1  | 500.4  |
| 72.5°  | 423.7  | 423.7  |
| 75°    | 345.7  | 347.0  |
| 77.5°  | 271.6  | 271.6  |
| 80°    | 201.5  | 202.7  |
| 82.5°  | 139.1  | 141.7  |
| 85°    | 87.1   | 87.1   |
| 87.5°  | 40.3   | 36.4   |
| 90°    | 7.4    | 7.4    |
| 92.5°  | 29.6   | 23.6   |
| 95°    | 103.0  | 85.2   |
| 97.5°  | 246.7  | 212.9  |
| 100°   | 355.5  | 315.2  |
| 102.5° | 462.5  | 428.0  |
| 105°   | 598.9  | 580.3  |
| 107.5° | 688.3  | 692.7  |
| 110°   | 722.3  | 741.7  |



TEST NUMBER: P936294

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 112.5° | 725.4 | 755.0 |
| 115°   | 706.2 | 747.3 |
| 117.5° | 665.4 | 711.1 |
| 120°   | 632.5 | 676.8 |
| 122.5° | 600.5 | 644.2 |
| 125°   | 554.8 | 595.2 |
| 127.5° | 513.8 | 547.8 |
| 130°   | 489.5 | 520.9 |
| 132.5° | 467.6 | 495.7 |
| 135°   | 437.5 | 461.7 |
| 137.5° | 413.4 | 433.2 |
| 140°   | 396.8 | 415.4 |
| 142.5° | 383.1 | 399.0 |
| 145°   | 362.6 | 374.6 |
| 147.5° | 346.7 | 356.8 |
| 150°   | 336.8 | 345.0 |
| 152.5° | 328.3 | 334.4 |
| 155°   | 318.5 | 322.6 |
| 157.5° | 310.9 | 313.7 |
| 160°   | 306.2 | 307.9 |
| 162.5° | 303.2 | 304.8 |
| 165°   | 298.8 | 300.5 |
| 167.5° | 295.7 | 296.4 |
| 170°   | 294.9 | 294.9 |
| 172.5° | 292.5 | 292.0 |
| 175°   | 291.2 | 291.2 |
| 177.5° | 289.9 | 289.2 |
| 180°   | 289.2 | 289.2 |

TEST NUMBER: P936294

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-8-3500K

**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 | 4.25             | 5.29  | 5.09  | 6.15  | 7.23  | 17.43          | 18.47 | 18.27 | 19.33 | 20.41 |
|                 | 3H   | 4.97             | 5.91  | 5.82  | 6.78  | 7.88  | 19.29          | 20.22 | 20.13 | 21.09 | 22.20 |
|                 | 4H   | 5.28             | 6.16  | 6.14  | 7.04  | 8.15  | 19.94          | 20.82 | 20.80 | 21.70 | 22.82 |
|                 | 6H   | 5.54             | 6.36  | 6.41  | 7.24  | 8.37  | 20.38          | 21.20 | 21.25 | 22.08 | 23.21 |
|                 | 8H   | 5.61             | 6.39  | 6.49  | 7.29  | 8.42  | 20.51          | 21.29 | 21.39 | 22.19 | 23.32 |
|                 | 12H  | 5.64             | 6.38  | 6.52  | 7.28  | 8.43  | 20.58          | 21.32 | 21.47 | 22.22 | 23.37 |
| 4H              | 2H   | 11.49            | 12.38 | 12.36 | 13.25 | 14.37 | 17.73          | 18.61 | 18.60 | 19.49 | 20.61 |
|                 | 3H   | 13.08            | 13.82 | 13.95 | 14.73 | 15.86 | 19.79          | 20.53 | 20.67 | 21.44 | 22.57 |
|                 | 4H   | 13.18            | 13.86 | 14.07 | 14.76 | 15.92 | 20.57          | 21.24 | 21.46 | 22.15 | 23.30 |
|                 | 6H   | 13.20            | 13.79 | 14.10 | 14.72 | 15.87 | 21.12          | 21.70 | 22.02 | 22.63 | 23.79 |
|                 | 8H   | 13.18            | 13.73 | 14.09 | 14.65 | 15.83 | 21.28          | 21.83 | 22.19 | 22.76 | 23.93 |
|                 | 12H  | 13.15            | 13.64 | 14.08 | 14.59 | 15.76 | 21.38          | 21.88 | 22.31 | 22.82 | 24.00 |
| 8H              | 4H   | 14.64            | 15.19 | 15.55 | 16.11 | 17.28 | 20.64          | 21.19 | 21.55 | 22.11 | 23.29 |
|                 | 6H   | 14.89            | 15.34 | 15.82 | 16.31 | 17.48 | 21.28          | 21.73 | 22.21 | 22.70 | 23.87 |
|                 | 8H   | 14.91            | 15.31 | 15.85 | 16.27 | 17.46 | 21.50          | 21.91 | 22.45 | 22.86 | 24.05 |
|                 | 12H  | 14.89            | 15.24 | 15.84 | 16.19 | 17.43 | 21.65          | 22.01 | 22.60 | 22.96 | 24.20 |
| 12H             | 4H   | 14.79            | 15.29 | 15.72 | 16.23 | 17.41 | 20.60          | 21.10 | 21.53 | 22.04 | 23.22 |
|                 | 6H   | 15.15            | 15.55 | 16.09 | 16.51 | 17.70 | 21.26          | 21.67 | 22.21 | 22.63 | 23.81 |
|                 | 8H   | 15.23            | 15.58 | 16.18 | 16.53 | 17.77 | 21.50          | 21.86 | 22.45 | 22.81 | 24.05 |