

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: P937588

Luminaire Tested: SQ4-FB-100U-075D-B2750-1D-UNV-W2A-W-6-3000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937588  
REPORT IS A COMBINATION OF REPORTS P933574 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-100U-075D-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**

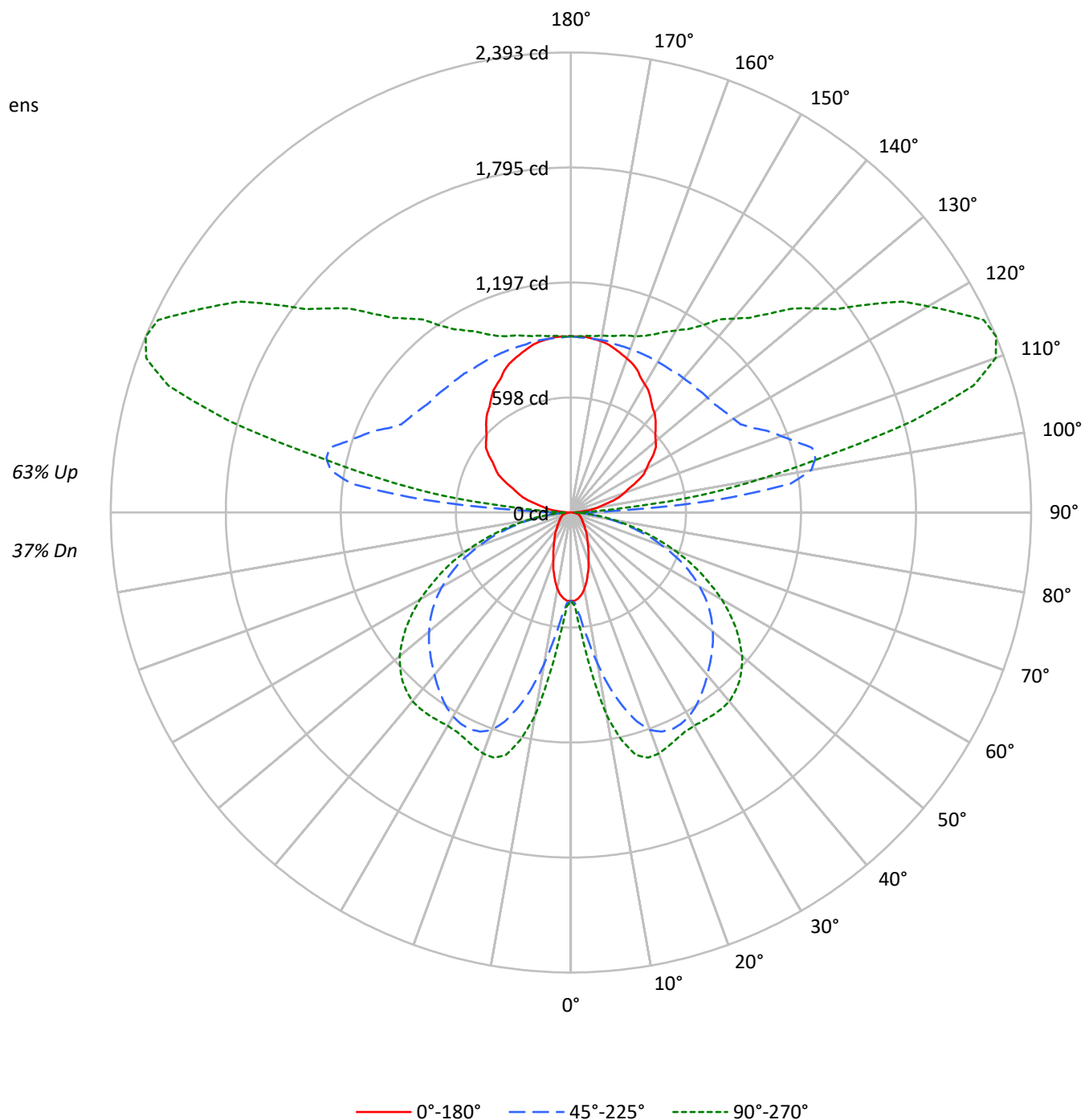
Lumens per Lamp: N/A  
Luminaire Lumens: 9504.0 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 73.8  
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: P937588

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-W2A-W-6-3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P937588

CATALOG NUMBER: SQ4-FB-100U-075D-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 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 |
| 1   | 95  | 90  | 86  | 83  | 86 | 82 | 78 | 75 | 66 | 64 | 62 | 52 | 50 | 49 | 39 | 38 | 37 |
| 2   | 86  | 78  | 72  | 67  | 77 | 71 | 66 | 61 | 58 | 54 | 50 | 45 | 42 | 40 | 34 | 32 | 30 |
| 3   | 78  | 68  | 61  | 55  | 70 | 62 | 56 | 50 | 50 | 46 | 42 | 39 | 36 | 33 | 29 | 27 | 25 |
| 4   | 71  | 60  | 52  | 46  | 64 | 55 | 48 | 42 | 44 | 39 | 35 | 35 | 31 | 28 | 26 | 23 | 21 |
| 5   | 65  | 53  | 45  | 39  | 58 | 48 | 41 | 36 | 39 | 34 | 30 | 31 | 27 | 24 | 23 | 20 | 18 |
| 6   | 60  | 47  | 39  | 33  | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 |
| 7   | 55  | 42  | 34  | 29  | 49 | 39 | 32 | 27 | 32 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 |
| 8   | 51  | 38  | 31  | 25  | 46 | 35 | 28 | 23 | 29 | 23 | 20 | 23 | 19 | 16 | 17 | 14 | 12 |
| 9   | 47  | 35  | 27  | 22  | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 |
| 10  | 44  | 32  | 24  | 20  | 40 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 12 | 10 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2846 | 2846 | 2846 |
| 5°  | 2779 | 3288 | 3825 |
| 10° | 2520 | 4792 | 6341 |
| 15° | 2140 | 6259 | 7657 |
| 20° | 1742 | 7251 | 7804 |
| 25° | 1453 | 7586 | 7645 |
| 30° | 1224 | 7633 | 7631 |
| 35° | 1082 | 7504 | 7828 |
| 40° | 942  | 7336 | 8032 |
| 45° | 853  | 7213 | 8063 |
| 50° | 781  | 7102 | 7930 |
| 55° | 748  | 6941 | 7578 |
| 60° | 765  | 6633 | 7022 |
| 65° | 794  | 6166 | 6260 |
| 70° | 844  | 5374 | 5288 |
| 75° | 932  | 4378 | 4127 |
| 80° | 1012 | 3032 | 2781 |
| 85° | 882  | 1605 | 1423 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8063 cd/sqm

TEST NUMBER: P937588

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-W2A-W-6-3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.5   | 0.6       |
| 10°-20°   | 263.7  | 2.8       |
| 20°-30°   | 461.3  | 4.9       |
| 30°-40°   | 593.8  | 6.2       |
| 40°-50°   | 663.2  | 7.0       |
| 50°-60°   | 635.2  | 6.7       |
| 60°-70°   | 503.4  | 5.3       |
| 70°-80°   | 296.0  | 3.1       |
| 80°-90°   | 85.7   | 0.9       |
| 90°-100°  | 446.8  | 4.7       |
| 100°-110° | 1174.7 | 12.4      |
| 110°-120° | 1218.0 | 12.8      |
| 120°-130° | 977.0  | 10.3      |
| 130°-140° | 766.6  | 8.1       |
| 140°-150° | 588.4  | 6.2       |
| 150°-160° | 423.7  | 4.5       |
| 160°-170° | 259.3  | 2.7       |
| 170°-180° | 87.6   | 0.9       |
| 0°-30°    | 784.5  | 8.3       |
| 0°-40°    | 1378.3 | 14.5      |
| 0°-60°    | 2676.8 | 28.2      |
| 0°-90°    | 3561.9 | 37.5      |
| 90°-120°  | 2839.5 | 29.9      |
| 90°-150°  | 5171.5 | 54.4      |
| 90°-180°  | 5942.0 | 62.5      |
| 0°-180°   | 9504.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 460 | 460   | 460  | 460   | 460  |      |
| 5°   | 448 | 481   | 541  | 612   | 634  | 41   |
| 15°  | 336 | 620   | 1044 | 1266  | 1306 | 93   |
| 25°  | 214 | 702   | 1244 | 1299  | 1300 | 99   |
| 35°  | 145 | 672   | 1172 | 1238  | 1287 | 90   |
| 45°  | 99  | 535   | 1035 | 1186  | 1240 | 77   |
| 55°  | 71  | 340   | 878  | 1020  | 1049 | 65   |
| 65°  | 56  | 180   | 652  | 734   | 744  | 56   |
| 75°  | 41  | 111   | 358  | 393   | 395  | 43   |
| 85°  | 15  | 34    | 89   | 98    | 99   | 16   |
| 90°  | 6   | 17    | 47   | 23    | 23   | 6    |
| 95°  | 59  | 231   | 770  | 397   | 270  | 66   |
| 105° | 212 | 320   | 1299 | 1972  | 1839 | 224  |
| 115° | 376 | 456   | 1040 | 2075  | 2368 | 371  |
| 125° | 523 | 586   | 946  | 1599  | 1886 | 464  |
| 135° | 623 | 686   | 917  | 1291  | 1464 | 482  |
| 145° | 723 | 769   | 905  | 1101  | 1187 | 453  |
| 155° | 817 | 840   | 905  | 994   | 1022 | 375  |
| 165° | 882 | 893   | 905  | 941   | 952  | 249  |
| 175° | 917 | 917   | 911  | 923   | 923  | 87   |
| 180° | 917 | 917   | 917  | 917   | 917  |      |

TEST NUMBER: P937588

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-W2A-W-6-3000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 460.0 | 460.0 | 460.0 | 460.0 | 460.0  | 460.0  | 460.0  | 460.0  | 460.0  | 460.0  | 460.0  |
| 2.5°   | 460.0 | 460.0 | 462.9 | 464.4 | 467.4  | 468.8  | 471.8  | 474.8  | 483.6  | 485.1  | 488.1  |
| 5°     | 448.1 | 454.1 | 473.3 | 480.7 | 501.4  | 529.5  | 541.3  | 560.5  | 600.5  | 612.3  | 619.7  |
| 7.5°   | 430.4 | 443.7 | 491.0 | 502.9 | 554.6  | 628.6  | 659.6  | 701.0  | 764.6  | 795.7  | 820.8  |
| 10°    | 402.3 | 430.4 | 514.7 | 542.8 | 627.1  | 739.5  | 797.2  | 854.9  | 951.0  | 993.9  | 1010.2 |
| 12.5°  | 371.2 | 417.1 | 539.8 | 578.3 | 699.6  | 863.7  | 933.2  | 996.8  | 1106.3 | 1164.1 | 1172.9 |
| 15°    | 335.7 | 397.9 | 563.5 | 619.7 | 776.5  | 967.3  | 1044.2 | 1122.7 | 1224.7 | 1266.1 | 1276.5 |
| 17.5°  | 304.7 | 383.1 | 585.7 | 644.8 | 835.6  | 1060.4 | 1138.9 | 1204.0 | 1286.8 | 1314.9 | 1322.3 |
| 20°    | 266.2 | 359.4 | 600.5 | 677.4 | 897.8  | 1128.6 | 1204.0 | 1254.3 | 1310.5 | 1328.2 | 1331.2 |
| 22.5°  | 238.1 | 334.3 | 609.3 | 689.2 | 939.2  | 1170.0 | 1233.6 | 1273.5 | 1312.0 | 1317.9 | 1319.4 |
| 25°    | 214.5 | 306.2 | 607.9 | 702.5 | 974.7  | 1195.1 | 1243.9 | 1273.5 | 1295.7 | 1298.7 | 1298.7 |
| 27.5°  | 192.3 | 275.1 | 602.0 | 705.5 | 1001.3 | 1201.0 | 1239.5 | 1260.2 | 1270.6 | 1276.5 | 1276.5 |
| 30°    | 173.0 | 245.5 | 587.2 | 699.6 | 1013.1 | 1195.1 | 1226.2 | 1236.5 | 1246.9 | 1255.8 | 1260.2 |
| 32.5°  | 158.3 | 217.4 | 565.0 | 687.7 | 1014.6 | 1180.3 | 1202.5 | 1208.4 | 1223.2 | 1243.9 | 1251.3 |
| 35°    | 144.9 | 189.3 | 539.8 | 671.5 | 1005.7 | 1156.7 | 1171.5 | 1177.4 | 1207.0 | 1238.0 | 1248.4 |
| 37.5°  | 131.6 | 168.6 | 507.3 | 643.4 | 992.4  | 1128.6 | 1138.9 | 1149.3 | 1195.1 | 1232.1 | 1243.9 |
| 40°    | 118.3 | 150.9 | 468.8 | 612.3 | 971.7  | 1094.5 | 1103.3 | 1119.6 | 1180.3 | 1223.2 | 1235.1 |
| 42.5°  | 108.0 | 136.1 | 427.4 | 579.8 | 945.1  | 1056.0 | 1069.3 | 1093.0 | 1162.6 | 1208.4 | 1221.8 |
| 45°    | 99.1  | 121.3 | 383.1 | 535.4 | 911.1  | 1016.1 | 1035.3 | 1067.8 | 1141.9 | 1186.3 | 1198.1 |
| 47.5°  | 90.2  | 110.9 | 337.2 | 489.5 | 874.1  | 976.1  | 1001.3 | 1038.3 | 1113.7 | 1156.7 | 1167.0 |
| 50°    | 82.8  | 100.6 | 291.4 | 440.7 | 834.2  | 933.2  | 962.8  | 1001.3 | 1078.2 | 1118.1 | 1131.5 |
| 52.5°  | 76.9  | 91.7  | 248.5 | 391.9 | 788.3  | 888.9  | 922.9  | 962.8  | 1035.3 | 1073.8 | 1082.6 |
| 55°    | 71.0  | 84.3  | 211.5 | 340.2 | 741.0  | 841.6  | 878.5  | 917.0  | 988.0  | 1020.5 | 1026.4 |
| 57.5°  | 68.0  | 78.4  | 180.4 | 291.4 | 690.7  | 788.3  | 829.7  | 865.2  | 931.8  | 956.9  | 962.8  |
| 60°    | 63.6  | 74.0  | 156.8 | 250.0 | 636.0  | 738.0  | 773.5  | 809.0  | 865.2  | 885.9  | 890.4  |
| 62.5°  | 59.2  | 71.0  | 139.0 | 210.0 | 579.8  | 678.9  | 714.4  | 746.9  | 794.2  | 809.0  | 814.9  |
| 65°    | 56.2  | 68.0  | 125.7 | 180.4 | 522.1  | 616.7  | 652.2  | 680.3  | 718.8  | 733.6  | 736.5  |
| 67.5°  | 53.2  | 65.1  | 115.4 | 155.3 | 464.4  | 554.6  | 581.2  | 607.9  | 637.4  | 652.2  | 653.7  |
| 70°    | 48.8  | 62.1  | 106.5 | 137.5 | 405.2  | 483.6  | 505.8  | 533.9  | 557.6  | 565.0  | 569.4  |
| 72.5°  | 45.8  | 57.7  | 100.6 | 124.2 | 344.6  | 415.6  | 436.3  | 452.6  | 473.3  | 480.7  | 480.7  |
| 75°    | 41.4  | 51.8  | 94.7  | 110.9 | 282.5  | 340.2  | 357.9  | 374.2  | 390.5  | 393.4  | 389.0  |
| 77.5°  | 37.0  | 45.8  | 81.3  | 93.2  | 220.4  | 269.2  | 284.0  | 292.8  | 306.2  | 309.1  | 310.6  |
| 80°    | 31.1  | 39.9  | 63.6  | 72.5  | 159.7  | 198.2  | 208.5  | 215.9  | 227.8  | 227.8  | 230.7  |
| 82.5°  | 23.7  | 31.1  | 45.8  | 51.8  | 108.0  | 136.1  | 144.9  | 149.4  | 156.8  | 156.8  | 156.8  |
| 85°    | 14.8  | 19.2  | 29.6  | 34.0  | 65.1   | 82.8   | 88.7   | 90.2   | 96.1   | 97.6   | 97.6   |
| 87.5°  | 7.4   | 10.4  | 19.2  | 20.7  | 34.0   | 42.9   | 42.9   | 45.8   | 45.8   | 44.4   | 42.9   |
| 90°    | 6.1   | 11.0  | 16.0  | 17.3  | 27.1   | 40.2   | 46.7   | 41.5   | 31.2   | 23.4   | 23.4   |
| 92.5°  | 24.6  | 66.5  | 108.3 | 118.7 | 166.9  | 231.1  | 263.3  | 230.7  | 165.6  | 116.8  | 112.2  |
| 95°    | 59.1  | 135.6 | 212.2 | 231.3 | 410.8  | 650.0  | 769.6  | 686.7  | 521.0  | 396.8  | 382.7  |
| 97.5°  | 102.1 | 169.7 | 237.2 | 254.1 | 553.2  | 952.2  | 1151.6 | 1099.3 | 994.6  | 916.0  | 889.2  |
| 100°   | 135.4 | 196.6 | 257.8 | 273.1 | 605.1  | 1047.7 | 1269.1 | 1272.9 | 1280.6 | 1286.3 | 1254.4 |
| 102.5° | 163.7 | 220.9 | 278.0 | 292.3 | 629.0  | 1077.9 | 1302.3 | 1369.1 | 1502.5 | 1602.5 | 1575.2 |
| 105°   | 211.6 | 260.0 | 308.4 | 320.5 | 646.6  | 1081.3 | 1298.7 | 1448.2 | 1747.3 | 1971.6 | 1956.9 |
| 107.5° | 260.8 | 306.0 | 351.1 | 362.4 | 649.9  | 1033.1 | 1224.8 | 1433.4 | 1850.6 | 2163.6 | 2167.1 |
| 110°   | 294.0 | 334.7 | 375.6 | 385.7 | 644.9  | 990.5  | 1163.3 | 1396.5 | 1862.9 | 2212.8 | 2228.1 |



TEST NUMBER: P937588

CATALOG NUMBER: SQ4-FB-100U-075D-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° | 326.7 | 365.5 | 404.4 | 414.0 | 645.1 | 953.3 | 1107.3 | 1346.0 | 1823.4 | 2181.4 | 2204.9 |
| 115°   | 375.9 | 411.7 | 447.4 | 456.4 | 651.1 | 910.5 | 1040.2 | 1270.2 | 1730.1 | 2075.0 | 2107.7 |
| 117.5° | 424.5 | 457.0 | 489.5 | 497.6 | 663.1 | 883.8 | 994.1  | 1201.6 | 1616.6 | 1927.9 | 1964.1 |
| 120°   | 452.8 | 483.4 | 514.0 | 521.7 | 673.0 | 874.8 | 975.6  | 1165.3 | 1544.5 | 1828.9 | 1864.0 |
| 122.5° | 480.5 | 511.3 | 542.3 | 550.0 | 687.1 | 870.0 | 961.5  | 1132.3 | 1473.8 | 1729.8 | 1764.5 |
| 125°   | 522.9 | 551.1 | 579.3 | 586.3 | 706.3 | 866.2 | 946.2  | 1091.2 | 1381.3 | 1598.9 | 1630.8 |
| 127.5° | 557.4 | 585.8 | 614.3 | 621.4 | 725.3 | 863.9 | 933.2  | 1057.8 | 1306.8 | 1493.7 | 1520.6 |
| 130°   | 575.8 | 606.5 | 637.1 | 644.7 | 739.3 | 865.3 | 928.3  | 1039.1 | 1260.9 | 1427.2 | 1452.1 |
| 132.5° | 594.9 | 625.5 | 656.1 | 663.8 | 750.5 | 866.2 | 924.0  | 1023.3 | 1221.8 | 1370.6 | 1392.9 |
| 135°   | 623.2 | 651.1 | 679.0 | 686.0 | 762.9 | 865.3 | 916.6  | 999.7  | 1165.9 | 1290.7 | 1309.9 |
| 137.5° | 652.0 | 679.6 | 707.4 | 714.3 | 781.3 | 870.7 | 915.4  | 985.7  | 1126.2 | 1231.6 | 1247.3 |
| 140°   | 676.1 | 701.5 | 727.0 | 733.3 | 792.5 | 871.5 | 911.1  | 971.8  | 1093.2 | 1184.2 | 1198.9 |
| 142.5° | 694.5 | 718.1 | 741.6 | 747.5 | 802.0 | 874.7 | 911.1  | 964.4  | 1071.0 | 1151.0 | 1163.6 |
| 145°   | 722.8 | 743.3 | 763.9 | 769.0 | 814.3 | 874.8 | 905.0  | 948.5  | 1035.8 | 1101.2 | 1110.7 |
| 147.5° | 751.1 | 771.1 | 791.0 | 796.0 | 832.3 | 880.7 | 905.0  | 939.3  | 1007.9 | 1059.4 | 1067.2 |
| 150°   | 769.6 | 787.6 | 805.7 | 810.2 | 841.7 | 883.9 | 905.0  | 933.9  | 991.8  | 1035.3 | 1041.7 |
| 152.5° | 788.7 | 802.4 | 816.0 | 819.5 | 848.0 | 885.9 | 905.0  | 929.7  | 979.2  | 1016.3 | 1021.1 |
| 155°   | 817.0 | 827.1 | 837.1 | 839.7 | 861.5 | 890.5 | 905.0  | 924.7  | 964.0  | 993.5  | 996.7  |
| 157.5° | 837.9 | 847.8 | 857.5 | 860.0 | 875.0 | 895.0 | 905.0  | 920.2  | 950.9  | 973.9  | 976.1  |
| 160°   | 852.0 | 859.7 | 867.4 | 869.3 | 881.2 | 897.1 | 905.0  | 918.1  | 944.3  | 964.0  | 965.3  |
| 162.5° | 866.2 | 871.9 | 877.6 | 879.1 | 887.7 | 899.2 | 905.0  | 916.0  | 938.2  | 954.7  | 955.9  |
| 165°   | 881.6 | 886.7 | 891.9 | 893.2 | 897.2 | 902.4 | 905.0  | 912.8  | 928.7  | 940.6  | 941.9  |
| 167.5° | 895.7 | 898.1 | 900.6 | 901.2 | 904.5 | 908.9 | 911.1  | 916.3  | 926.6  | 934.4  | 935.0  |
| 170°   | 905.0 | 907.4 | 909.9 | 910.5 | 910.7 | 911.0 | 911.1  | 916.3  | 926.6  | 934.4  | 934.4  |
| 172.5° | 909.9 | 910.4 | 911.0 | 911.1 | 911.1 | 911.1 | 911.1  | 915.2  | 923.4  | 929.5  | 929.0  |
| 175°   | 916.6 | 916.6 | 916.6 | 916.6 | 914.7 | 912.2 | 911.1  | 913.6  | 918.9  | 922.8  | 922.8  |
| 177.5° | 916.6 | 916.6 | 916.6 | 916.6 | 915.2 | 913.3 | 912.3  | 914.4  | 918.5  | 921.5  | 920.9  |
| 180°   | 916.6 | 916.6 | 916.6 | 916.6 | 916.6 | 916.6 | 916.6  | 916.6  | 916.6  | 916.6  | 916.6  |

TEST NUMBER: P937588

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-W2A-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 460.0  | 460.0  |
| 2.5°   | 491.0  | 488.1  |
| 5°     | 631.5  | 634.5  |
| 7.5°   | 850.4  | 848.9  |
| 10°    | 1057.5 | 1070.8 |
| 12.5°  | 1208.4 | 1211.4 |
| 15°    | 1300.1 | 1306.1 |
| 17.5°  | 1335.6 | 1337.1 |
| 20°    | 1337.1 | 1334.2 |
| 22.5°  | 1320.8 | 1317.9 |
| 25°    | 1301.6 | 1300.1 |
| 27.5°  | 1283.9 | 1285.3 |
| 30°    | 1276.5 | 1280.9 |
| 32.5°  | 1276.5 | 1283.9 |
| 35°    | 1279.4 | 1286.8 |
| 37.5°  | 1278.0 | 1286.8 |
| 40°    | 1272.0 | 1282.4 |
| 42.5°  | 1255.8 | 1263.2 |
| 45°    | 1230.6 | 1239.5 |
| 47.5°  | 1198.1 | 1204.0 |
| 50°    | 1156.7 | 1162.6 |
| 52.5°  | 1104.8 | 1106.3 |
| 55°    | 1042.7 | 1048.6 |
| 57.5°  | 976.1  | 977.6  |
| 60°    | 902.2  | 906.6  |
| 62.5°  | 823.8  | 823.8  |
| 65°    | 741.0  | 743.9  |
| 67.5°  | 655.2  | 662.6  |
| 70°    | 567.9  | 569.4  |
| 72.5°  | 482.2  | 482.2  |
| 75°    | 393.4  | 394.9  |
| 77.5°  | 309.1  | 309.1  |
| 80°    | 229.2  | 230.7  |
| 82.5°  | 158.3  | 161.2  |
| 85°    | 99.1   | 99.1   |
| 87.5°  | 45.8   | 41.4   |
| 90°    | 23.4   | 23.4   |
| 92.5°  | 93.6   | 75.0   |
| 95°    | 326.4  | 270.1  |
| 97.5°  | 782.0  | 674.8  |
| 100°   | 1126.7 | 999.0  |
| 102.5° | 1465.8 | 1356.4 |
| 105°   | 1898.1 | 1839.4 |
| 107.5° | 2181.4 | 2195.6 |
| 110°   | 2289.4 | 2350.6 |

TEST NUMBER: P937588

CATALOG NUMBER: SQ4-FB-100U-075D-B2750-1D-UNV-W2A-W-6-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 2299.0 | 2393.0 |
| 115°   | 2238.0 | 2368.5 |
| 117.5° | 2108.8 | 2253.4 |
| 120°   | 2004.6 | 2145.1 |
| 122.5° | 1903.2 | 2041.8 |
| 125°   | 1758.4 | 1886.1 |
| 127.5° | 1628.4 | 1736.1 |
| 130°   | 1551.7 | 1651.2 |
| 132.5° | 1482.1 | 1571.2 |
| 135°   | 1386.7 | 1463.5 |
| 137.5° | 1310.2 | 1373.1 |
| 140°   | 1257.7 | 1316.5 |
| 142.5° | 1214.3 | 1264.8 |
| 145°   | 1149.1 | 1187.3 |
| 147.5° | 1099.0 | 1130.7 |
| 150°   | 1067.4 | 1093.2 |
| 152.5° | 1040.5 | 1060.0 |
| 155°   | 1009.6 | 1022.4 |
| 157.5° | 985.1  | 994.1  |
| 160°   | 970.5  | 975.6  |
| 162.5° | 960.9  | 965.8  |
| 165°   | 947.2  | 952.3  |
| 167.5° | 937.2  | 939.4  |
| 170°   | 934.4  | 934.4  |
| 172.5° | 927.1  | 925.3  |
| 175°   | 922.8  | 922.8  |
| 177.5° | 918.8  | 916.6  |
| 180°   | 916.6  | 916.6  |

TEST NUMBER: P937588

CATALOG NUMBER: SQ4-FB-100U-075D-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 | 3.37             | 4.15  | 4.42  | 5.21  | 6.65  | 16.53          | 17.32 | 17.58 | 18.38 | 19.81 |
|                 | 3H   | 4.07             | 4.77  | 5.13  | 5.84  | 7.29  | 18.36          | 19.06 | 19.42 | 20.13 | 21.59 |
|                 | 4H   | 4.36             | 5.03  | 5.43  | 6.10  | 7.56  | 19.00          | 19.67 | 20.07 | 20.74 | 22.20 |
|                 | 6H   | 4.61             | 5.22  | 5.69  | 6.30  | 7.77  | 19.42          | 20.04 | 20.50 | 21.11 | 22.59 |
|                 | 8H   | 4.67             | 5.26  | 5.76  | 6.35  | 7.82  | 19.54          | 20.12 | 20.62 | 21.21 | 22.68 |
|                 | 12H  | 4.69             | 5.25  | 5.78  | 6.33  | 7.82  | 19.60          | 20.16 | 20.69 | 21.24 | 22.73 |
| 4H              | 2H   | 10.56            | 11.23 | 11.64 | 12.30 | 13.76 | 16.80          | 17.47 | 17.88 | 18.54 | 20.00 |
|                 | 3H   | 12.12            | 12.68 | 13.21 | 13.78 | 15.26 | 18.83          | 19.39 | 19.92 | 20.49 | 21.96 |
|                 | 4H   | 12.22            | 12.73 | 13.31 | 13.82 | 15.31 | 19.59          | 20.10 | 20.68 | 21.19 | 22.69 |
|                 | 6H   | 12.22            | 12.66 | 13.32 | 13.78 | 15.26 | 20.12          | 20.56 | 21.22 | 21.67 | 23.16 |
|                 | 8H   | 12.20            | 12.61 | 13.30 | 13.71 | 15.22 | 20.28          | 20.69 | 21.38 | 21.79 | 23.30 |
|                 | 12H  | 12.15            | 12.52 | 13.27 | 13.64 | 15.15 | 20.36          | 20.74 | 21.48 | 21.86 | 23.37 |
| 8H              | 4H   | 13.65            | 14.06 | 14.75 | 15.17 | 16.67 | 19.64          | 20.06 | 20.74 | 21.16 | 22.67 |
|                 | 6H   | 13.89            | 14.23 | 15.01 | 15.38 | 16.88 | 20.27          | 20.61 | 21.39 | 21.75 | 23.25 |
|                 | 8H   | 13.91            | 14.21 | 15.04 | 15.33 | 16.85 | 20.48          | 20.78 | 21.61 | 21.91 | 23.43 |
|                 | 12H  | 13.87            | 14.14 | 15.01 | 15.26 | 16.82 | 20.62          | 20.88 | 21.75 | 22.01 | 23.56 |
| 12H             | 4H   | 13.79            | 14.16 | 14.91 | 15.28 | 16.79 | 19.59          | 19.97 | 20.71 | 21.08 | 22.59 |
|                 | 6H   | 14.15            | 14.45 | 15.28 | 15.57 | 17.09 | 20.25          | 20.55 | 21.38 | 21.67 | 23.20 |
|                 | 8H   | 14.21            | 14.48 | 15.35 | 15.60 | 17.16 | 20.47          | 20.74 | 21.61 | 21.86 | 23.42 |