

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: P937387

Luminaire Tested: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-6-2700K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937387  
REPORT IS A COMBINATION OF REPORTS P933512 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-6-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

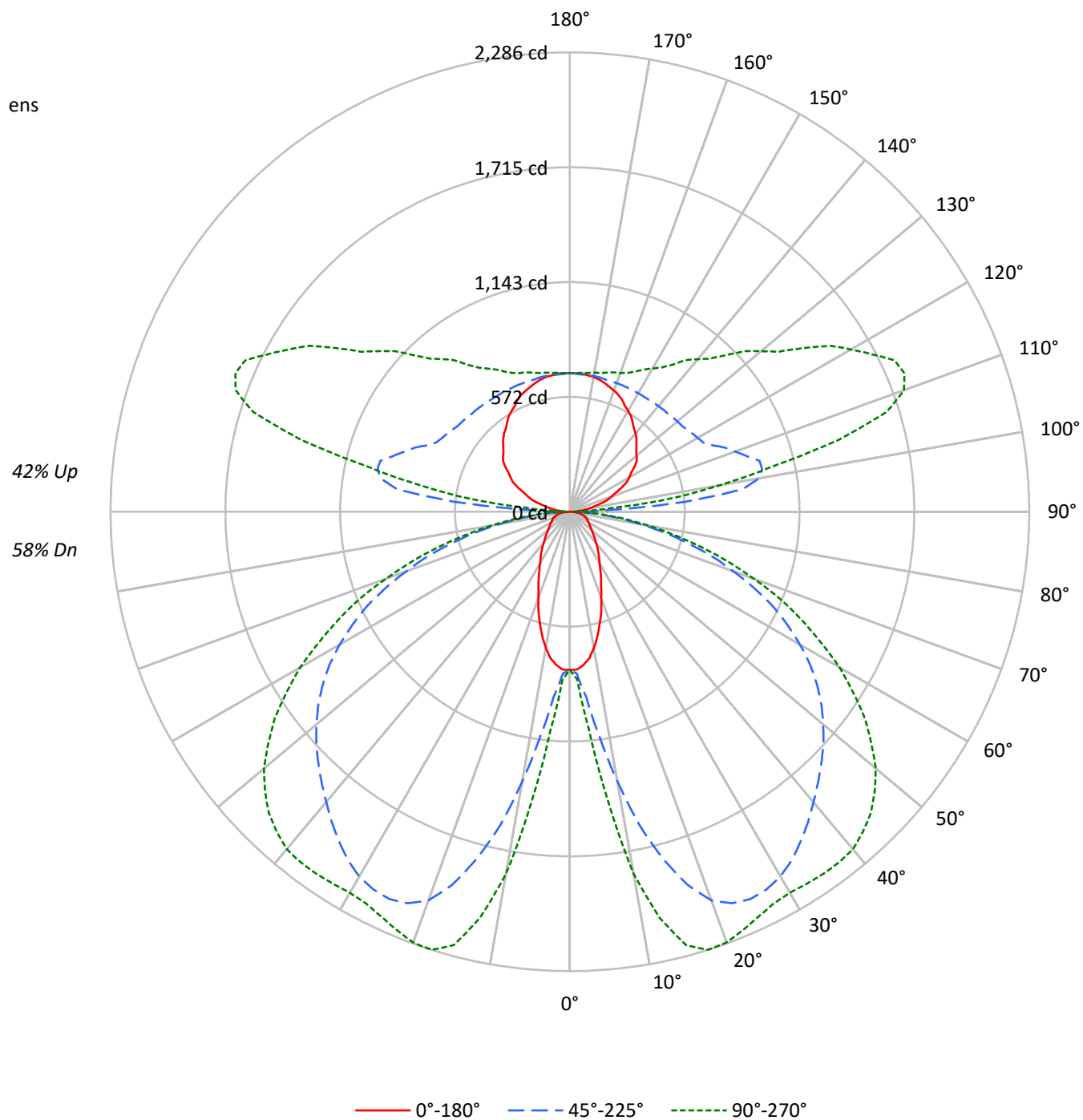
Lumens per Lamp: N/A  
Luminaire Lumens: 10558.6 lumens  
Efficiency: N/A  
Efficacy: 113.5 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 93  
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: P937387

CATALOG NUMBER: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-6-2700K

### Luminous Intensity Polar Plot



TEST NUMBER: P937387

CATALOG NUMBER: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-6-2700K

**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   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 88 | 88 | 88 | 75 | 75 | 75 | 63 | 63 | 63 | 58 |    |    |
| 1   | 99  | 94  | 90  | 86  | 92  | 88  | 84  | 81  | 76 | 73 | 71 | 65 | 63 | 61 | 55 | 53 | 52 | 47 |    |    |
| 2   | 89  | 82  | 75  | 69  | 83  | 76  | 70  | 65  | 66 | 61 | 57 | 56 | 53 | 50 | 47 | 45 | 43 | 38 |    |    |
| 3   | 81  | 71  | 63  | 57  | 75  | 66  | 59  | 54  | 57 | 52 | 47 | 49 | 45 | 41 | 41 | 38 | 36 | 32 |    |    |
| 4   | 74  | 62  | 54  | 48  | 68  | 58  | 51  | 45  | 50 | 45 | 40 | 43 | 39 | 35 | 36 | 33 | 30 | 27 |    |    |
| 5   | 68  | 55  | 47  | 40  | 63  | 52  | 44  | 38  | 45 | 39 | 34 | 38 | 34 | 30 | 33 | 29 | 26 | 23 |    |    |
| 6   | 62  | 49  | 41  | 35  | 57  | 46  | 38  | 33  | 40 | 34 | 29 | 34 | 29 | 26 | 29 | 25 | 22 | 19 |    |    |
| 7   | 57  | 44  | 36  | 30  | 53  | 41  | 34  | 28  | 36 | 30 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 17 |    |    |
| 8   | 53  | 40  | 32  | 26  | 49  | 37  | 30  | 25  | 33 | 27 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 15 |    |    |
| 9   | 49  | 36  | 28  | 23  | 46  | 34  | 27  | 22  | 30 | 24 | 20 | 26 | 21 | 17 | 22 | 18 | 15 | 13 |    |    |
| 10  | 46  | 33  | 26  | 21  | 43  | 31  | 24  | 20  | 27 | 22 | 18 | 24 | 19 | 16 | 20 | 16 | 14 | 12 |    |    |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 4864 | 4864  | 4864  |
| 5°  | 4750 | 5620  | 6538  |
| 10° | 4307 | 8191  | 10839 |
| 15° | 3659 | 10698 | 13088 |
| 20° | 2978 | 12394 | 13338 |
| 25° | 2483 | 12968 | 13067 |
| 30° | 2093 | 13046 | 13043 |
| 35° | 1850 | 12826 | 13380 |
| 40° | 1611 | 12541 | 13728 |
| 45° | 1458 | 12330 | 13782 |
| 50° | 1335 | 12141 | 13554 |
| 55° | 1278 | 11866 | 12953 |
| 60° | 1307 | 11339 | 12005 |
| 65° | 1358 | 10541 | 10701 |
| 70° | 1444 | 9186  | 9041  |
| 75° | 1593 | 7484  | 7055  |
| 80° | 1728 | 5184  | 4754  |
| 85° | 1508 | 2746  | 2433  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13782 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 101.7   | 1.0       |
| 10°-20°   | 450.8   | 4.3       |
| 20°-30°   | 788.5   | 7.5       |
| 30°-40°   | 1015.0  | 9.6       |
| 40°-50°   | 1133.7  | 10.7      |
| 50°-60°   | 1085.8  | 10.3      |
| 60°-70°   | 860.5   | 8.1       |
| 70°-80°   | 506.0   | 4.8       |
| 80°-90°   | 143.2   | 1.4       |
| 90°-100°  | 336.4   | 3.2       |
| 100°-110° | 884.4   | 8.4       |
| 110°-120° | 917.0   | 8.7       |
| 120°-130° | 735.5   | 7.0       |
| 130°-140° | 577.1   | 5.5       |
| 140°-150° | 443.0   | 4.2       |
| 150°-160° | 319.0   | 3.0       |
| 160°-170° | 195.2   | 1.8       |
| 170°-180° | 65.9    | 0.6       |
| 0°-30°    | 1340.9  | 12.7      |
| 0°-40°    | 2355.9  | 22.3      |
| 0°-60°    | 4575.5  | 43.3      |
| 0°-90°    | 6085.2  | 57.6      |
| 90°-120°  | 2137.7  | 20.2      |
| 90°-150°  | 3893.3  | 36.9      |
| 90°-180°  | 4473.0  | 42.4      |
| 0°-180°   | 10558.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 786 | 786   | 786  | 786   | 786  |      |
| 5°   | 766 | 822   | 925  | 1047  | 1085 | 71   |
| 15°  | 574 | 1059  | 1785 | 2164  | 2232 | 160  |
| 25°  | 367 | 1201  | 2126 | 2220  | 2222 | 169  |
| 35°  | 248 | 1148  | 2002 | 2116  | 2200 | 155  |
| 45°  | 169 | 915   | 1770 | 2028  | 2119 | 131  |
| 55°  | 121 | 582   | 1502 | 1744  | 1792 | 111  |
| 65°  | 96  | 308   | 1115 | 1254  | 1272 | 95   |
| 75°  | 71  | 190   | 612  | 672   | 675  | 74   |
| 85°  | 25  | 58    | 152  | 167   | 169  | 27   |
| 90°  | 5   | 13    | 35   | 18    | 18   | 6    |
| 95°  | 44  | 174   | 579  | 299   | 203  | 49   |
| 105° | 159 | 241   | 978  | 1484  | 1385 | 169  |
| 115° | 283 | 344   | 783  | 1562  | 1783 | 279  |
| 125° | 394 | 441   | 712  | 1204  | 1420 | 349  |
| 135° | 469 | 516   | 690  | 972   | 1102 | 363  |
| 145° | 544 | 579   | 681  | 829   | 894  | 341  |
| 155° | 615 | 632   | 681  | 748   | 770  | 283  |
| 165° | 664 | 672   | 681  | 708   | 717  | 187  |
| 175° | 690 | 690   | 686  | 695   | 695  | 66   |
| 180° | 690 | 690   | 690  | 690   | 690  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 786.2 | 786.2 | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  | 786.2  |
| 2.5°   | 786.2 | 786.2 | 791.3  | 793.8  | 798.9  | 801.5  | 806.5  | 811.5  | 826.7  | 829.3  | 834.3  |
| 5°     | 766.0 | 776.2 | 809.1  | 821.7  | 857.1  | 905.1  | 925.3  | 958.2  | 1026.5 | 1046.7 | 1059.3 |
| 7.5°   | 735.7 | 758.5 | 839.3  | 859.5  | 948.1  | 1074.5 | 1127.6 | 1198.4 | 1307.1 | 1360.1 | 1403.2 |
| 10°    | 687.6 | 735.7 | 879.8  | 927.9  | 1072.0 | 1264.1 | 1362.7 | 1461.3 | 1625.7 | 1699.0 | 1726.8 |
| 12.5°  | 634.6 | 712.9 | 922.8  | 988.5  | 1195.8 | 1476.5 | 1595.3 | 1704.0 | 1891.1 | 1989.7 | 2004.8 |
| 15°    | 573.9 | 680.1 | 963.2  | 1059.3 | 1327.3 | 1653.5 | 1784.9 | 1918.9 | 2093.4 | 2164.1 | 2181.8 |
| 17.5°  | 520.8 | 654.8 | 1001.2 | 1102.3 | 1428.5 | 1812.7 | 1946.7 | 2057.9 | 2199.6 | 2247.6 | 2260.2 |
| 20°    | 455.1 | 614.3 | 1026.5 | 1157.9 | 1534.6 | 1929.1 | 2057.9 | 2143.9 | 2240.0 | 2270.3 | 2275.4 |
| 22.5°  | 407.1 | 571.4 | 1041.6 | 1178.2 | 1605.5 | 1999.8 | 2108.5 | 2176.8 | 2242.5 | 2252.7 | 2255.1 |
| 25°    | 366.6 | 523.3 | 1039.1 | 1200.9 | 1666.1 | 2042.8 | 2126.3 | 2176.8 | 2214.7 | 2219.8 | 2219.8 |
| 27.5°  | 328.7 | 470.2 | 1029.0 | 1206.0 | 1711.6 | 2052.9 | 2118.6 | 2154.0 | 2171.7 | 2181.8 | 2181.8 |
| 30°    | 295.8 | 419.7 | 1003.7 | 1195.8 | 1731.8 | 2042.8 | 2095.9 | 2113.6 | 2131.2 | 2146.5 | 2154.0 |
| 32.5°  | 270.5 | 371.6 | 965.7  | 1175.6 | 1734.3 | 2017.5 | 2055.4 | 2065.5 | 2090.8 | 2126.3 | 2138.8 |
| 35°    | 247.8 | 323.6 | 922.8  | 1147.8 | 1719.2 | 1977.1 | 2002.4 | 2012.4 | 2063.0 | 2116.1 | 2133.8 |
| 37.5°  | 225.0 | 288.2 | 867.2  | 1099.8 | 1696.4 | 1929.1 | 1946.7 | 1964.4 | 2042.8 | 2105.9 | 2126.3 |
| 40°    | 202.3 | 257.9 | 801.5  | 1046.7 | 1661.0 | 1870.9 | 1886.0 | 1913.8 | 2017.5 | 2090.8 | 2111.0 |
| 42.5°  | 184.6 | 232.6 | 730.7  | 991.0  | 1615.5 | 1805.2 | 1827.9 | 1868.3 | 1987.1 | 2065.5 | 2088.3 |
| 45°    | 169.4 | 207.3 | 654.8  | 915.2  | 1557.3 | 1736.8 | 1769.7 | 1825.4 | 1951.8 | 2027.7 | 2047.9 |
| 47.5°  | 154.2 | 189.6 | 576.4  | 836.8  | 1494.2 | 1668.6 | 1711.6 | 1774.8 | 1903.8 | 1977.1 | 1994.8 |
| 50°    | 141.5 | 171.9 | 498.1  | 753.4  | 1425.9 | 1595.3 | 1645.9 | 1711.6 | 1843.1 | 1911.3 | 1934.0 |
| 52.5°  | 131.5 | 156.8 | 424.7  | 670.0  | 1347.5 | 1519.4 | 1577.6 | 1645.9 | 1769.7 | 1835.4 | 1850.7 |
| 55°    | 121.3 | 144.1 | 361.5  | 581.5  | 1266.6 | 1438.5 | 1501.8 | 1567.5 | 1688.8 | 1744.5 | 1754.6 |
| 57.5°  | 116.3 | 134.0 | 308.5  | 498.1  | 1180.7 | 1347.5 | 1418.3 | 1479.0 | 1592.8 | 1635.7 | 1645.9 |
| 60°    | 108.7 | 126.4 | 268.0  | 427.3  | 1087.1 | 1261.5 | 1322.3 | 1382.9 | 1479.0 | 1514.4 | 1522.0 |
| 62.5°  | 101.1 | 121.3 | 237.6  | 359.0  | 991.0  | 1160.4 | 1221.1 | 1276.8 | 1357.6 | 1382.9 | 1393.0 |
| 65°    | 96.1  | 116.3 | 214.9  | 308.5  | 892.4  | 1054.3 | 1114.9 | 1162.9 | 1228.7 | 1254.0 | 1259.0 |
| 67.5°  | 91.0  | 111.3 | 197.2  | 265.4  | 793.8  | 948.1  | 993.6  | 1039.1 | 1089.6 | 1114.9 | 1117.5 |
| 70°    | 83.5  | 106.2 | 182.1  | 235.2  | 692.7  | 826.7  | 864.6  | 912.6  | 953.2  | 965.7  | 973.4  |
| 72.5°  | 78.4  | 98.6  | 171.9  | 212.3  | 589.0  | 710.4  | 745.8  | 773.6  | 809.1  | 821.7  | 821.7  |
| 75°    | 70.8  | 88.4  | 161.8  | 189.6  | 482.9  | 581.5  | 611.8  | 639.6  | 667.4  | 672.5  | 664.9  |
| 77.5°  | 63.2  | 78.4  | 139.0  | 159.3  | 376.7  | 460.2  | 485.5  | 500.6  | 523.3  | 528.4  | 531.0  |
| 80°    | 53.1  | 68.2  | 108.7  | 123.9  | 273.0  | 338.7  | 356.5  | 369.1  | 389.3  | 389.3  | 394.4  |
| 82.5°  | 40.4  | 53.1  | 78.4   | 88.4   | 184.6  | 232.6  | 247.8  | 255.4  | 268.0  | 268.0  | 268.0  |
| 85°    | 25.3  | 32.9  | 50.6   | 58.2   | 111.3  | 141.5  | 151.7  | 154.2  | 164.3  | 166.8  | 166.8  |
| 87.5°  | 12.6  | 17.7  | 32.9   | 35.4   | 58.2   | 73.3   | 73.3   | 78.4   | 78.4   | 75.9   | 73.3   |
| 90°    | 4.6   | 8.3   | 12.1   | 12.9   | 20.3   | 30.2   | 35.2   | 31.3   | 23.5   | 17.6   | 17.6   |
| 92.5°  | 18.5  | 50.0  | 81.5   | 89.3   | 125.6  | 174.0  | 198.2  | 173.7  | 124.7  | 87.9   | 84.5   |
| 95°    | 44.4  | 102.1 | 159.7  | 174.1  | 309.2  | 489.3  | 579.4  | 517.0  | 392.2  | 298.7  | 288.1  |
| 97.5°  | 76.9  | 127.7 | 178.5  | 191.2  | 416.5  | 716.8  | 867.0  | 827.6  | 748.8  | 689.6  | 669.4  |
| 100°   | 101.9 | 148.0 | 194.1  | 205.7  | 455.6  | 788.8  | 955.5  | 958.4  | 964.1  | 968.4  | 944.4  |
| 102.5° | 123.2 | 166.2 | 209.3  | 220.0  | 473.5  | 811.4  | 980.5  | 1030.7 | 1131.2 | 1206.5 | 1185.8 |
| 105°   | 159.4 | 195.8 | 232.3  | 241.3  | 486.7  | 814.0  | 977.7  | 1090.2 | 1315.4 | 1484.3 | 1473.3 |
| 107.5° | 196.4 | 230.4 | 264.3  | 272.8  | 489.2  | 777.8  | 922.1  | 1079.2 | 1393.3 | 1628.9 | 1631.5 |
| 110°   | 221.4 | 252.1 | 282.7  | 290.3  | 485.5  | 745.7  | 875.8  | 1051.4 | 1402.6 | 1665.9 | 1677.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 245.9 | 275.1 | 304.4 | 311.6 | 485.6 | 717.6 | 833.7 | 1013.3 | 1372.7 | 1642.2 | 1659.9 |
| 115°   | 283.0 | 310.0 | 336.8 | 343.6 | 490.1 | 685.4 | 783.2 | 956.3  | 1302.5 | 1562.1 | 1586.6 |
| 117.5° | 319.5 | 344.0 | 368.5 | 374.7 | 499.3 | 665.3 | 748.4 | 904.7  | 1217.1 | 1451.5 | 1478.7 |
| 120°   | 340.8 | 363.9 | 386.9 | 392.7 | 506.7 | 658.6 | 734.6 | 877.3  | 1162.7 | 1376.9 | 1403.4 |
| 122.5° | 361.7 | 385.0 | 408.3 | 414.0 | 517.3 | 655.1 | 723.9 | 852.4  | 1109.4 | 1302.3 | 1328.4 |
| 125°   | 393.6 | 414.8 | 436.0 | 441.3 | 531.7 | 652.1 | 712.3 | 821.5  | 1039.9 | 1203.7 | 1227.7 |
| 127.5° | 419.6 | 441.0 | 462.3 | 467.7 | 546.0 | 650.4 | 702.6 | 796.3  | 983.8  | 1124.5 | 1144.8 |
| 130°   | 433.5 | 456.6 | 479.6 | 485.4 | 556.6 | 651.5 | 698.9 | 782.4  | 949.3  | 1074.5 | 1093.2 |
| 132.5° | 447.8 | 470.9 | 493.9 | 499.7 | 565.0 | 652.1 | 695.6 | 770.3  | 919.8  | 1031.9 | 1048.6 |
| 135°   | 469.1 | 490.1 | 511.1 | 516.4 | 574.3 | 651.5 | 690.0 | 752.6  | 877.8  | 971.6  | 986.0  |
| 137.5° | 490.9 | 511.6 | 532.5 | 537.6 | 588.1 | 655.5 | 689.1 | 742.0  | 847.8  | 927.2  | 939.0  |
| 140°   | 509.0 | 528.1 | 547.3 | 552.1 | 596.7 | 656.2 | 685.8 | 731.6  | 823.0  | 891.5  | 902.6  |
| 142.5° | 522.9 | 540.6 | 558.4 | 562.7 | 603.8 | 658.5 | 685.8 | 726.0  | 806.3  | 866.5  | 876.1  |
| 145°   | 544.2 | 559.7 | 575.0 | 578.9 | 613.0 | 658.6 | 681.3 | 714.1  | 779.8  | 829.0  | 836.1  |
| 147.5° | 565.4 | 580.5 | 595.5 | 599.3 | 626.6 | 663.0 | 681.3 | 707.1  | 758.8  | 797.5  | 803.5  |
| 150°   | 579.4 | 592.9 | 606.6 | 610.0 | 633.8 | 665.4 | 681.3 | 703.1  | 746.7  | 779.5  | 784.4  |
| 152.5° | 593.7 | 604.1 | 614.3 | 616.9 | 638.3 | 666.9 | 681.3 | 699.9  | 737.1  | 765.1  | 768.8  |
| 155°   | 615.0 | 622.6 | 630.3 | 632.2 | 648.5 | 670.3 | 681.3 | 696.1  | 725.8  | 748.0  | 750.4  |
| 157.5° | 630.8 | 638.2 | 645.6 | 647.5 | 658.8 | 673.8 | 681.3 | 692.8  | 715.8  | 733.2  | 734.8  |
| 160°   | 641.4 | 647.2 | 653.0 | 654.4 | 663.3 | 675.3 | 681.3 | 691.1  | 710.8  | 725.7  | 726.7  |
| 162.5° | 652.1 | 656.5 | 660.7 | 661.8 | 668.3 | 677.0 | 681.3 | 689.6  | 706.3  | 718.8  | 719.7  |
| 165°   | 663.6 | 667.6 | 671.5 | 672.5 | 675.4 | 679.3 | 681.3 | 687.2  | 699.2  | 708.2  | 709.2  |
| 167.5° | 674.3 | 676.2 | 678.0 | 678.5 | 681.0 | 684.3 | 685.8 | 689.7  | 697.6  | 703.5  | 703.9  |
| 170°   | 681.3 | 683.2 | 684.9 | 685.4 | 685.5 | 685.7 | 685.8 | 689.7  | 697.6  | 703.5  | 703.5  |
| 172.5° | 684.9 | 685.3 | 685.7 | 685.8 | 685.8 | 685.8 | 685.8 | 688.9  | 695.1  | 699.8  | 699.4  |
| 175°   | 690.0 | 690.0 | 690.0 | 690.0 | 688.6 | 686.7 | 685.8 | 687.8  | 691.7  | 694.7  | 694.7  |
| 177.5° | 690.0 | 690.0 | 690.0 | 690.0 | 688.9 | 687.5 | 686.8 | 688.4  | 691.5  | 693.8  | 693.4  |
| 180°   | 690.0 | 690.0 | 690.0 | 690.0 | 690.0 | 690.0 | 690.0 | 690.0  | 690.0  | 690.0  | 690.0  |

TEST NUMBER: P937387

CATALOG NUMBER: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 786.2  | 786.2  |
| 2.5°   | 839.3  | 834.3  |
| 5°     | 1079.6 | 1084.6 |
| 7.5°   | 1453.8 | 1451.2 |
| 10°    | 1807.6 | 1830.4 |
| 12.5°  | 2065.5 | 2070.6 |
| 15°    | 2222.3 | 2232.4 |
| 17.5°  | 2282.9 | 2285.5 |
| 20°    | 2285.5 | 2280.4 |
| 22.5°  | 2257.6 | 2252.7 |
| 25°    | 2224.8 | 2222.3 |
| 27.5°  | 2194.5 | 2197.0 |
| 30°    | 2181.8 | 2189.4 |
| 32.5°  | 2181.8 | 2194.5 |
| 35°    | 2186.9 | 2199.6 |
| 37.5°  | 2184.3 | 2199.6 |
| 40°    | 2174.3 | 2191.9 |
| 42.5°  | 2146.5 | 2159.1 |
| 45°    | 2103.5 | 2118.6 |
| 47.5°  | 2047.9 | 2057.9 |
| 50°    | 1977.1 | 1987.1 |
| 52.5°  | 1888.5 | 1891.1 |
| 55°    | 1782.3 | 1792.5 |
| 57.5°  | 1668.6 | 1671.1 |
| 60°    | 1542.2 | 1549.8 |
| 62.5°  | 1408.2 | 1408.2 |
| 65°    | 1266.6 | 1271.7 |
| 67.5°  | 1120.0 | 1132.7 |
| 70°    | 970.8  | 973.4  |
| 72.5°  | 824.2  | 824.2  |
| 75°    | 672.5  | 675.0  |
| 77.5°  | 528.4  | 528.4  |
| 80°    | 391.8  | 394.4  |
| 82.5°  | 270.5  | 275.6  |
| 85°    | 169.4  | 169.4  |
| 87.5°  | 78.4   | 70.8   |
| 90°    | 17.6   | 17.6   |
| 92.5°  | 70.4   | 56.5   |
| 95°    | 245.7  | 203.3  |
| 97.5°  | 588.7  | 508.1  |
| 100°   | 848.2  | 752.1  |
| 102.5° | 1103.6 | 1021.2 |
| 105°   | 1429.0 | 1384.7 |
| 107.5° | 1642.2 | 1652.9 |
| 110°   | 1723.5 | 1769.6 |



TEST NUMBER: P937387

CATALOG NUMBER: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1730.7 | 1801.6 |
| 115°   | 1684.8 | 1783.0 |
| 117.5° | 1587.5 | 1696.4 |
| 120°   | 1509.1 | 1614.9 |
| 122.5° | 1432.7 | 1537.1 |
| 125°   | 1323.9 | 1420.0 |
| 127.5° | 1225.9 | 1307.0 |
| 130°   | 1168.1 | 1243.0 |
| 132.5° | 1115.7 | 1182.8 |
| 135°   | 1043.9 | 1101.8 |
| 137.5° | 986.3  | 1033.7 |
| 140°   | 946.9  | 991.1  |
| 142.5° | 914.1  | 952.2  |
| 145°   | 865.0  | 893.8  |
| 147.5° | 827.3  | 851.2  |
| 150°   | 803.7  | 823.0  |
| 152.5° | 783.4  | 798.0  |
| 155°   | 760.0  | 769.7  |
| 157.5° | 741.6  | 748.4  |
| 160°   | 730.6  | 734.6  |
| 162.5° | 723.4  | 727.1  |
| 165°   | 713.0  | 716.9  |
| 167.5° | 705.6  | 707.2  |
| 170°   | 703.5  | 703.5  |
| 172.5° | 698.0  | 696.5  |
| 175°   | 694.7  | 694.7  |
| 177.5° | 691.7  | 690.0  |
| 180°   | 690.0  | 690.0  |

TEST NUMBER: P937387

CATALOG NUMBER: SQ4-FB-075U-125D-B2750-1D-UNV-W2A-W-6-2700K

**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 | 7.16             | 8.14  | 8.04  | 9.05  | 10.21 | 20.33          | 21.31 | 21.21 | 22.22 | 23.37 |
|                 | 3H   | 7.88             | 8.76  | 8.77  | 9.68  | 10.86 | 22.17          | 23.05 | 23.06 | 23.97 | 25.15 |
|                 | 4H   | 8.18             | 9.02  | 9.09  | 9.94  | 11.13 | 22.82          | 23.65 | 23.73 | 24.58 | 25.76 |
|                 | 6H   | 8.44             | 9.21  | 9.36  | 10.14 | 11.34 | 23.25          | 24.02 | 24.17 | 24.95 | 26.15 |
|                 | 8H   | 8.51             | 9.25  | 9.44  | 10.19 | 11.39 | 23.37          | 24.11 | 24.30 | 25.06 | 26.26 |
|                 | 12H  | 8.53             | 9.23  | 9.47  | 10.17 | 11.40 | 23.44          | 24.14 | 24.38 | 25.08 | 26.31 |
| 4H              | 2H   | 14.38            | 15.22 | 15.30 | 16.14 | 17.33 | 20.62          | 21.45 | 21.53 | 22.38 | 23.56 |
|                 | 3H   | 15.96            | 16.66 | 16.89 | 17.62 | 18.82 | 22.67          | 23.37 | 23.59 | 24.32 | 25.53 |
|                 | 4H   | 16.06            | 16.70 | 17.00 | 17.65 | 18.88 | 23.44          | 24.08 | 24.37 | 25.03 | 26.25 |
|                 | 6H   | 16.08            | 16.64 | 17.03 | 17.61 | 18.84 | 23.98          | 24.53 | 24.93 | 25.51 | 26.73 |
|                 | 8H   | 16.06            | 16.58 | 17.01 | 17.55 | 18.79 | 24.14          | 24.66 | 25.09 | 25.63 | 26.87 |
|                 | 12H  | 16.02            | 16.49 | 17.00 | 17.48 | 18.72 | 24.24          | 24.71 | 25.21 | 25.69 | 26.94 |
| 8H              | 4H   | 17.52            | 18.03 | 18.47 | 19.00 | 20.24 | 23.51          | 24.03 | 24.46 | 24.99 | 26.24 |
|                 | 6H   | 17.76            | 18.19 | 18.74 | 19.20 | 20.44 | 24.14          | 24.57 | 25.12 | 25.58 | 26.82 |
|                 | 8H   | 17.78            | 18.16 | 18.77 | 19.16 | 20.42 | 24.36          | 24.74 | 25.34 | 25.73 | 26.99 |
|                 | 12H  | 17.76            | 18.09 | 18.75 | 19.08 | 20.39 | 24.51          | 24.84 | 25.50 | 25.83 | 27.14 |
| 12H             | 4H   | 17.66            | 18.13 | 18.64 | 19.11 | 20.36 | 23.47          | 23.94 | 24.44 | 24.92 | 26.17 |
|                 | 6H   | 18.02            | 18.40 | 19.01 | 19.40 | 20.66 | 24.12          | 24.51 | 25.11 | 25.50 | 26.76 |
|                 | 8H   | 18.10            | 18.43 | 19.09 | 19.42 | 20.73 | 24.36          | 24.69 | 25.35 | 25.68 | 26.99 |