

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: P937900

Luminaire Tested: SQ4-FB-125U-050D-B35-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937900  
REPORT IS A COMBINATION OF REPORTS P933613 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-125U-050D-B35-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

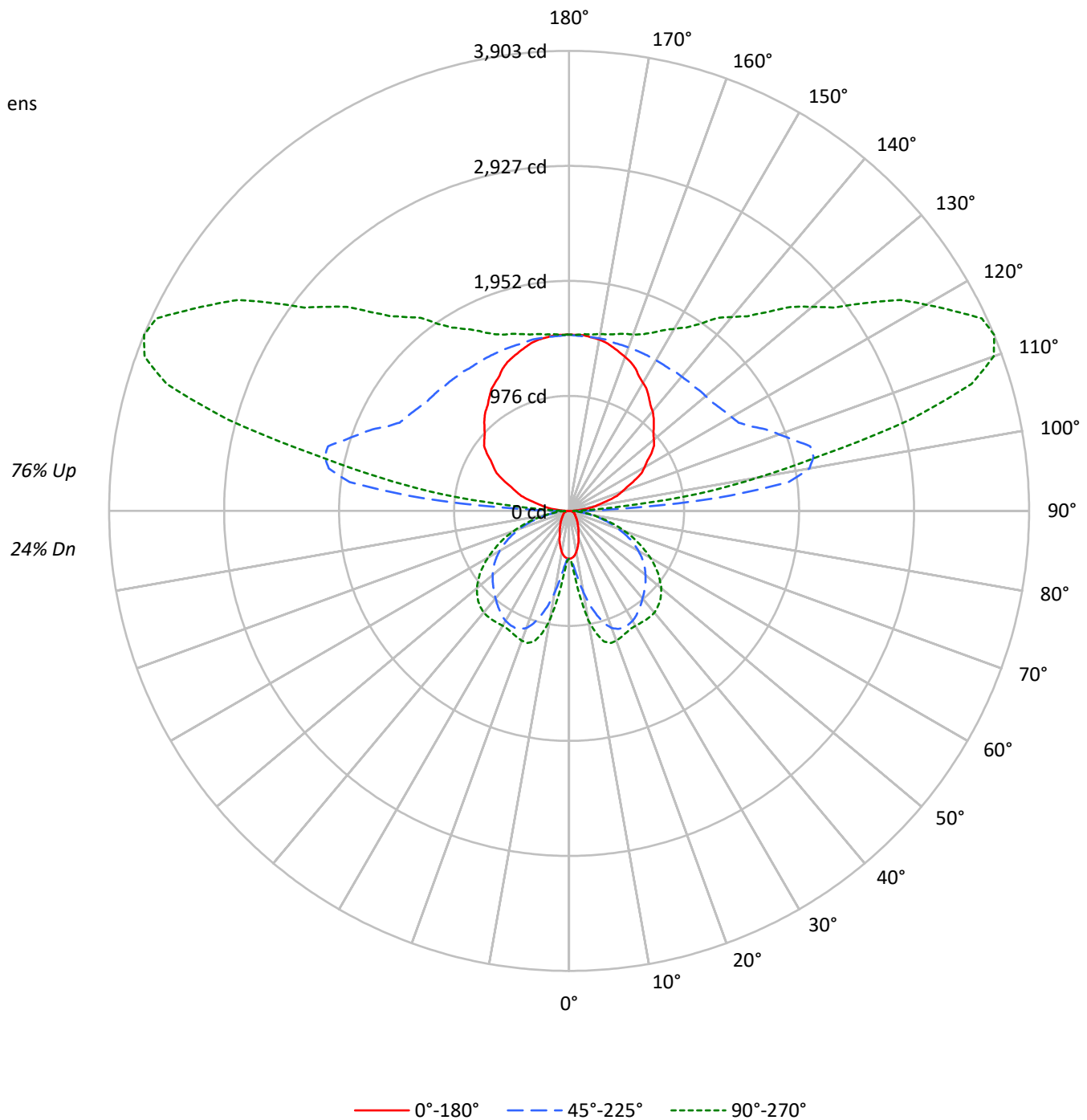
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12824.7 lumens  
Efficiency: N/A  
Efficacy: 134.7 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-Indirect

Input Watts (W): 95.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P937900  
CATALOG NUMBER: SQ4-FB-125U-050D-B35-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot







TEST NUMBER: P937900

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 52.3    | 0.4       |
| 10°-20°   | 231.7   | 1.8       |
| 20°-30°   | 405.3   | 3.2       |
| 30°-40°   | 521.8   | 4.1       |
| 40°-50°   | 582.8   | 4.5       |
| 50°-60°   | 558.2   | 4.4       |
| 60°-70°   | 442.4   | 3.4       |
| 70°-80°   | 260.1   | 2.0       |
| 80°-90°   | 78.0    | 0.6       |
| 90°-100°  | 728.8   | 5.7       |
| 100°-110° | 1916.0  | 14.9      |
| 110°-120° | 1986.7  | 15.5      |
| 120°-130° | 1593.6  | 12.4      |
| 130°-140° | 1250.4  | 9.7       |
| 140°-150° | 959.7   | 7.5       |
| 150°-160° | 691.2   | 5.4       |
| 160°-170° | 422.9   | 3.3       |
| 170°-180° | 142.9   | 1.1       |
| 0°-30°    | 689.4   | 5.4       |
| 0°-40°    | 1211.2  | 9.4       |
| 0°-60°    | 2352.2  | 18.3      |
| 0°-90°    | 3132.7  | 24.4      |
| 90°-120°  | 4631.5  | 36.1      |
| 90°-150°  | 8435.1  | 65.8      |
| 90°-180°  | 9692.0  | 75.6      |
| 0°-180°   | 12824.7 | 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°  | 10   | 28    | 76   | 38    | 38   | 9    |
| 95°  | 96   | 377   | 1255 | 647   | 440  | 107  |
| 105° | 345  | 523   | 2118 | 3216  | 3000 | 366  |
| 115° | 613  | 744   | 1697 | 3384  | 3863 | 606  |
| 125° | 853  | 956   | 1543 | 2608  | 3076 | 757  |
| 135° | 1016 | 1119  | 1495 | 2105  | 2387 | 786  |
| 145° | 1179 | 1254  | 1476 | 1796  | 1936 | 739  |
| 155° | 1333 | 1370  | 1476 | 1621  | 1668 | 612  |
| 165° | 1438 | 1457  | 1476 | 1534  | 1553 | 406  |
| 175° | 1495 | 1495  | 1486 | 1505  | 1505 | 142  |
| 180° | 1495 | 1495  | 1495 | 1495  | 1495 |      |



TEST NUMBER: P937900  
 CATALOG NUMBER: SQ4-FB-125U-050D-B35-1D-UNV-STD-W-8

**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°    | 10.1  | 18.1  | 26.1  | 28.1  | 44.2   | 65.6   | 76.3   | 67.7   | 50.8   | 38.1   | 38.1   |
| 92.5°  | 40.1  | 108.3 | 176.6 | 193.7 | 272.3  | 377.0  | 429.5  | 376.4  | 270.3  | 190.6  | 183.0  |
| 95°    | 96.3  | 221.2 | 346.1 | 377.3 | 670.0  | 1060.2 | 1255.2 | 1120.2 | 849.9  | 647.2  | 624.2  |
| 97.5°  | 166.6 | 276.7 | 386.9 | 414.4 | 902.4  | 1553.1 | 1878.4 | 1793.0 | 1622.2 | 1494.1 | 1450.4 |
| 100°   | 220.7 | 320.6 | 420.5 | 445.5 | 987.0  | 1709.0 | 2070.1 | 2076.3 | 2088.8 | 2098.2 | 2046.1 |
| 102.5° | 266.9 | 360.1 | 453.3 | 476.7 | 1025.9 | 1758.2 | 2124.2 | 2233.1 | 2450.7 | 2613.9 | 2569.3 |
| 105°   | 345.2 | 424.1 | 503.0 | 522.8 | 1054.6 | 1763.7 | 2118.2 | 2362.1 | 2850.0 | 3215.9 | 3192.0 |
| 107.5° | 425.5 | 499.0 | 572.6 | 591.0 | 1059.9 | 1685.2 | 1997.8 | 2338.1 | 3018.6 | 3529.0 | 3534.8 |
| 110°   | 479.7 | 546.1 | 612.6 | 629.2 | 1051.9 | 1615.6 | 1897.5 | 2277.9 | 3038.7 | 3609.2 | 3634.2 |



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CATALOG NUMBER: SQ4-FB-125U-050D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 532.9  | 596.1  | 659.5  | 675.3  | 1052.2 | 1554.9 | 1806.1 | 2195.5 | 2974.1 | 3558.1 | 3596.4 |
| 115°   | 613.1  | 671.5  | 729.9  | 744.5  | 1061.9 | 1485.2 | 1696.8 | 2071.8 | 2821.9 | 3384.5 | 3437.7 |
| 117.5° | 692.4  | 745.5  | 798.5  | 811.7  | 1081.7 | 1441.6 | 1621.5 | 1960.0 | 2636.9 | 3144.7 | 3203.7 |
| 120°   | 738.5  | 788.5  | 838.4  | 850.9  | 1097.7 | 1426.9 | 1591.4 | 1900.7 | 2519.2 | 2983.2 | 3040.4 |
| 122.5° | 783.6  | 834.0  | 884.4  | 897.0  | 1120.7 | 1419.1 | 1568.3 | 1846.8 | 2403.9 | 2821.6 | 2878.1 |
| 125°   | 852.9  | 898.8  | 944.8  | 956.2  | 1151.9 | 1412.8 | 1543.2 | 1779.9 | 2253.0 | 2607.9 | 2659.9 |
| 127.5° | 909.1  | 955.5  | 1001.8 | 1013.5 | 1183.1 | 1409.1 | 1522.2 | 1725.3 | 2131.6 | 2436.3 | 2480.2 |
| 130°   | 939.2  | 989.2  | 1039.1 | 1051.6 | 1205.7 | 1411.3 | 1514.2 | 1695.0 | 2056.7 | 2327.9 | 2368.5 |
| 132.5° | 970.3  | 1020.3 | 1070.2 | 1082.7 | 1224.1 | 1412.8 | 1507.1 | 1669.0 | 1992.7 | 2235.6 | 2271.9 |
| 135°   | 1016.5 | 1061.9 | 1107.5 | 1118.8 | 1244.2 | 1411.4 | 1495.1 | 1630.6 | 1901.8 | 2105.2 | 2136.5 |
| 137.5° | 1063.6 | 1108.6 | 1153.7 | 1164.9 | 1274.3 | 1420.2 | 1493.0 | 1607.7 | 1836.9 | 2008.8 | 2034.5 |
| 140°   | 1102.7 | 1144.2 | 1185.7 | 1196.0 | 1292.7 | 1421.6 | 1486.1 | 1585.1 | 1783.1 | 1931.6 | 1955.5 |
| 142.5° | 1132.9 | 1171.2 | 1209.5 | 1219.1 | 1308.1 | 1426.8 | 1486.1 | 1573.0 | 1746.9 | 1877.3 | 1898.0 |
| 145°   | 1179.0 | 1212.4 | 1245.9 | 1254.3 | 1328.2 | 1426.8 | 1476.0 | 1547.1 | 1689.5 | 1796.1 | 1811.7 |
| 147.5° | 1225.2 | 1257.8 | 1290.3 | 1298.5 | 1357.7 | 1436.5 | 1476.0 | 1532.0 | 1643.9 | 1727.9 | 1740.8 |
| 150°   | 1255.2 | 1284.7 | 1314.2 | 1321.5 | 1373.0 | 1441.7 | 1476.0 | 1523.3 | 1617.8 | 1688.8 | 1699.2 |
| 152.5° | 1286.3 | 1308.6 | 1330.9 | 1336.5 | 1383.1 | 1445.0 | 1476.0 | 1516.4 | 1597.1 | 1657.7 | 1665.6 |
| 155°   | 1332.6 | 1349.0 | 1365.5 | 1369.7 | 1405.1 | 1452.3 | 1476.0 | 1508.2 | 1572.4 | 1620.6 | 1625.8 |
| 157.5° | 1366.7 | 1382.7 | 1398.8 | 1402.7 | 1427.1 | 1459.7 | 1476.0 | 1501.0 | 1550.9 | 1588.4 | 1592.1 |
| 160°   | 1389.7 | 1402.2 | 1414.7 | 1417.8 | 1437.2 | 1463.1 | 1476.0 | 1497.4 | 1540.2 | 1572.3 | 1574.4 |
| 162.5° | 1412.8 | 1422.1 | 1431.5 | 1433.8 | 1447.9 | 1466.6 | 1476.0 | 1494.0 | 1530.1 | 1557.3 | 1559.3 |
| 165°   | 1437.9 | 1446.4 | 1454.9 | 1457.0 | 1463.3 | 1471.7 | 1476.0 | 1489.0 | 1514.8 | 1534.2 | 1536.3 |
| 167.5° | 1461.0 | 1464.9 | 1469.0 | 1470.0 | 1475.3 | 1482.5 | 1486.1 | 1494.5 | 1511.4 | 1524.1 | 1525.0 |
| 170°   | 1476.0 | 1480.1 | 1484.1 | 1485.1 | 1485.4 | 1485.9 | 1486.1 | 1494.5 | 1511.4 | 1524.1 | 1524.1 |
| 172.5° | 1484.0 | 1484.9 | 1485.9 | 1486.1 | 1486.1 | 1486.1 | 1486.1 | 1492.7 | 1506.1 | 1516.2 | 1515.4 |
| 175°   | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1492.1 | 1488.1 | 1486.1 | 1490.3 | 1498.8 | 1505.1 | 1505.1 |
| 177.5° | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1492.7 | 1489.6 | 1488.1 | 1491.4 | 1498.1 | 1503.1 | 1502.2 |
| 180°   | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 | 1495.1 |



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**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°    | 38.1   | 38.1   |
| 92.5°  | 152.7  | 122.4  |
| 95°    | 532.4  | 440.5  |
| 97.5°  | 1275.6 | 1100.8 |
| 100°   | 1837.8 | 1629.6 |
| 102.5° | 2390.9 | 2212.5 |
| 105°   | 3096.1 | 3000.2 |
| 107.5° | 3558.0 | 3581.1 |
| 110°   | 3734.1 | 3834.0 |





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CATALOG NUMBER: SQ4-FB-125U-050D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 3749.8 | 3903.2 |
| 115°   | 3650.4 | 3863.1 |
| 117.5° | 3439.6 | 3675.5 |
| 120°   | 3269.7 | 3498.9 |
| 122.5° | 3104.3 | 3330.4 |
| 125°   | 2868.2 | 3076.5 |
| 127.5° | 2655.9 | 2831.6 |
| 130°   | 2530.8 | 2693.1 |
| 132.5° | 2417.4 | 2562.7 |
| 135°   | 2261.8 | 2387.1 |
| 137.5° | 2137.0 | 2239.6 |
| 140°   | 2051.5 | 2147.3 |
| 142.5° | 1980.4 | 2063.0 |
| 145°   | 1874.1 | 1936.5 |
| 147.5° | 1792.6 | 1844.3 |
| 150°   | 1741.2 | 1783.1 |
| 152.5° | 1697.2 | 1728.9 |
| 155°   | 1646.7 | 1667.6 |
| 157.5° | 1606.8 | 1621.5 |
| 160°   | 1582.9 | 1591.4 |
| 162.5° | 1567.4 | 1575.4 |
| 165°   | 1544.8 | 1553.3 |
| 167.5° | 1528.6 | 1532.2 |
| 170°   | 1524.1 | 1524.1 |
| 172.5° | 1512.2 | 1509.1 |
| 175°   | 1505.1 | 1505.1 |
| 177.5° | 1498.7 | 1495.1 |
| 180°   | 1495.1 | 1495.1 |



TEST NUMBER: P937900  
 CATALOG NUMBER: SQ4-FB-125U-050D-B35-1D-UNV-STD-W-8

**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 | 0.17             | 0.86  | 1.32  | 2.00  | 3.59  | 13.35          | 14.04 | 14.50 | 15.18 | 16.77 |
|                 | 3H   | 0.87             | 1.48  | 2.02  | 2.63  | 4.24  | 15.18          | 15.80 | 16.33 | 16.94 | 18.55 |
|                 | 4H   | 1.16             | 1.74  | 2.32  | 2.89  | 4.50  | 15.82          | 16.40 | 16.98 | 17.55 | 19.16 |
|                 | 6H   | 1.40             | 1.94  | 2.57  | 3.08  | 4.71  | 16.24          | 16.78 | 17.41 | 17.92 | 19.55 |
|                 | 8H   | 1.46             | 1.97  | 2.63  | 3.14  | 4.75  | 16.35          | 16.87 | 17.53 | 18.03 | 19.65 |
|                 | 12H  | 1.47             | 1.96  | 2.65  | 3.11  | 4.75  | 16.42          | 16.90 | 17.59 | 18.06 | 19.70 |
| 4H              | 2H   | 7.37             | 7.95  | 8.54  | 9.10  | 10.71 | 13.61          | 14.19 | 14.78 | 15.34 | 16.95 |
|                 | 3H   | 8.92             | 9.41  | 10.09 | 10.58 | 12.21 | 15.64          | 16.13 | 16.81 | 17.30 | 18.92 |
|                 | 4H   | 9.01             | 9.46  | 10.18 | 10.62 | 12.26 | 16.39          | 16.85 | 17.57 | 18.00 | 19.65 |
|                 | 6H   | 9.01             | 9.39  | 10.19 | 10.58 | 12.21 | 16.92          | 17.31 | 18.10 | 18.49 | 20.12 |
|                 | 8H   | 8.98             | 9.34  | 10.16 | 10.51 | 12.16 | 17.08          | 17.44 | 18.26 | 18.61 | 20.27 |
|                 | 12H  | 8.93             | 9.25  | 10.12 | 10.44 | 12.09 | 17.17          | 17.49 | 18.36 | 18.68 | 20.33 |
| 8H              | 4H   | 10.44            | 10.80 | 11.62 | 11.97 | 13.62 | 16.44          | 16.80 | 17.62 | 17.97 | 19.62 |
|                 | 6H   | 10.67            | 10.97 | 11.87 | 12.18 | 13.83 | 17.06          | 17.36 | 18.26 | 18.57 | 20.22 |
|                 | 8H   | 10.69            | 10.95 | 11.89 | 12.14 | 13.81 | 17.28          | 17.54 | 18.48 | 18.73 | 20.40 |
|                 | 12H  | 10.65            | 10.87 | 11.85 | 12.06 | 13.76 | 17.41          | 17.64 | 18.62 | 18.83 | 20.53 |
| 12H             | 4H   | 10.57            | 10.90 | 11.77 | 12.08 | 13.74 | 16.38          | 16.71 | 17.58 | 17.89 | 19.55 |
|                 | 6H   | 10.93            | 11.19 | 12.13 | 12.38 | 14.05 | 17.04          | 17.30 | 18.25 | 18.49 | 20.16 |
|                 | 8H   | 10.99            | 11.22 | 12.20 | 12.41 | 14.10 | 17.26          | 17.49 | 18.47 | 18.68 | 20.38 |