

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: P936278

Luminaire Tested: SQ4-FB-025U-050D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936278
REPORT IS A COMBINATION OF REPORTS P933429 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-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

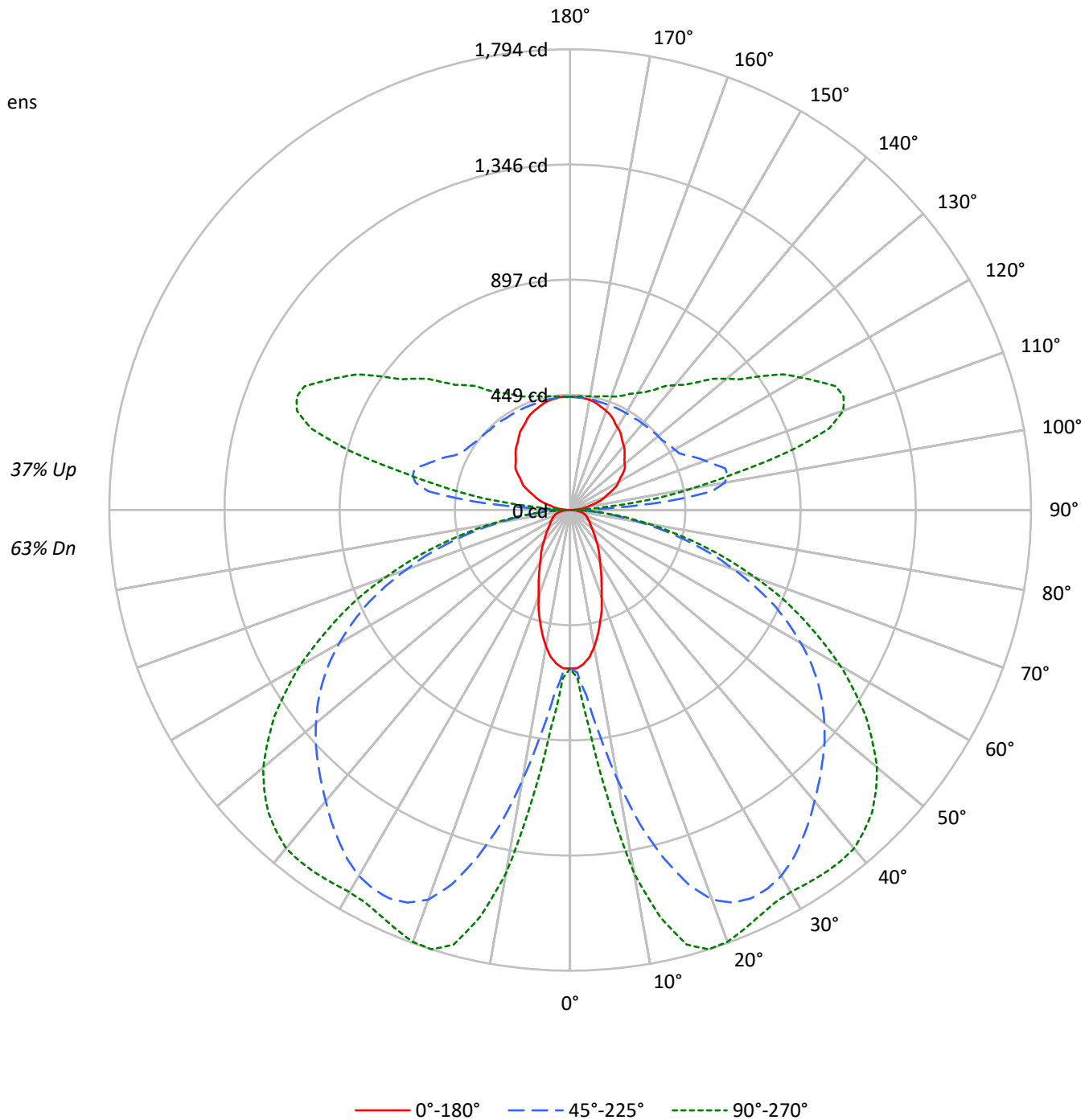
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7636.6 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 66
Input Voltage (V): NR
Input Current (A_{in}): 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: P936278
CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P936278

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-STD-W-12-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 68 | 68 | 68 | 63 |
| 1 | 100 | 95 | 91 | 87 | 93 | 89 | 86 | 82 | 78 | 75 | 73 | 68 | 66 | 64 | 59 | 57 | 56 | 51 |
| 2 | 90 | 82 | 76 | 70 | 84 | 77 | 71 | 66 | 68 | 63 | 59 | 59 | 55 | 52 | 51 | 48 | 46 | 42 |
| 3 | 82 | 72 | 64 | 57 | 76 | 67 | 60 | 55 | 59 | 53 | 49 | 51 | 47 | 43 | 44 | 41 | 38 | 34 |
| 4 | 75 | 63 | 54 | 48 | 69 | 59 | 52 | 46 | 52 | 46 | 41 | 45 | 40 | 37 | 39 | 35 | 32 | 29 |
| 5 | 68 | 56 | 47 | 41 | 63 | 52 | 45 | 39 | 46 | 40 | 35 | 40 | 35 | 31 | 35 | 31 | 28 | 24 |
| 6 | 63 | 50 | 41 | 35 | 58 | 47 | 39 | 33 | 41 | 35 | 30 | 36 | 31 | 27 | 31 | 27 | 24 | 21 |
| 7 | 58 | 45 | 36 | 30 | 54 | 42 | 34 | 29 | 37 | 31 | 26 | 33 | 27 | 23 | 28 | 24 | 21 | 18 |
| 8 | 53 | 40 | 32 | 26 | 50 | 38 | 31 | 25 | 34 | 27 | 23 | 30 | 24 | 21 | 26 | 22 | 18 | 16 |
| 9 | 50 | 37 | 29 | 23 | 46 | 35 | 27 | 22 | 31 | 25 | 20 | 27 | 22 | 18 | 24 | 19 | 16 | 14 |
| 10 | 46 | 34 | 26 | 21 | 43 | 32 | 25 | 20 | 28 | 22 | 18 | 25 | 20 | 16 | 22 | 18 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1908 | 1908 | 1908 |
| 5° | 1865 | 2206 | 2565 |
| 10° | 1692 | 3217 | 4253 |
| 15° | 1439 | 4204 | 5135 |
| 20° | 1172 | 4873 | 5234 |
| 25° | 978 | 5100 | 5127 |
| 30° | 825 | 5134 | 5118 |
| 35° | 730 | 5050 | 5250 |
| 40° | 636 | 4941 | 5387 |
| 45° | 577 | 4861 | 5408 |
| 50° | 529 | 4790 | 5318 |
| 55° | 507 | 4685 | 5082 |
| 60° | 520 | 4481 | 4710 |
| 65° | 542 | 4171 | 4199 |
| 70° | 579 | 3640 | 3547 |
| 75° | 643 | 2970 | 2768 |
| 80° | 709 | 2062 | 1865 |
| 85° | 642 | 1096 | 954 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5408 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.8 | 1.0 |
| 10°-20° | 353.7 | 4.6 |
| 20°-30° | 618.7 | 8.1 |
| 30°-40° | 796.5 | 10.4 |
| 40°-50° | 889.7 | 11.7 |
| 50°-60° | 852.1 | 11.2 |
| 60°-70° | 675.3 | 8.8 |
| 70°-80° | 397.1 | 5.2 |
| 80°-90° | 112.0 | 1.5 |
| 90°-100° | 215.2 | 2.8 |
| 100°-110° | 565.7 | 7.4 |
| 110°-120° | 586.6 | 7.7 |
| 120°-130° | 470.5 | 6.2 |
| 130°-140° | 369.2 | 4.8 |
| 140°-150° | 283.4 | 3.7 |
| 150°-160° | 204.1 | 2.7 |
| 160°-170° | 124.9 | 1.6 |
| 170°-180° | 42.2 | 0.6 |
| 0°-30° | 1052.3 | 13.8 |
| 0°-40° | 1848.8 | 24.2 |
| 0°-60° | 3590.5 | 47.0 |
| 0°-90° | 4774.9 | 62.5 |
| 90°-120° | 1367.5 | 17.9 |
| 90°-150° | 2490.5 | 32.6 |
| 90°-180° | 2862.0 | 37.5 |
| 0°-180° | 7636.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 617 | 617 | 617 | 617 | 617 | |
| 5° | 601 | 645 | 726 | 821 | 851 | 55 |
| 15° | 450 | 831 | 1401 | 1698 | 1752 | 125 |
| 25° | 288 | 942 | 1668 | 1742 | 1744 | 133 |
| 35° | 194 | 901 | 1571 | 1661 | 1726 | 121 |
| 45° | 133 | 718 | 1389 | 1591 | 1663 | 103 |
| 55° | 95 | 456 | 1178 | 1369 | 1407 | 87 |
| 65° | 75 | 242 | 875 | 984 | 998 | 75 |
| 75° | 56 | 149 | 480 | 528 | 530 | 58 |
| 85° | 20 | 46 | 119 | 131 | 133 | 21 |
| 90° | 3 | 8 | 22 | 11 | 11 | 4 |
| 95° | 28 | 111 | 371 | 191 | 130 | 32 |
| 105° | 102 | 154 | 625 | 950 | 886 | 108 |
| 115° | 181 | 220 | 501 | 999 | 1141 | 179 |
| 125° | 252 | 282 | 456 | 770 | 908 | 224 |
| 135° | 300 | 330 | 441 | 622 | 705 | 232 |
| 145° | 348 | 370 | 436 | 530 | 572 | 218 |
| 155° | 393 | 404 | 436 | 478 | 492 | 181 |
| 165° | 425 | 430 | 436 | 453 | 459 | 120 |
| 175° | 441 | 441 | 439 | 444 | 444 | 42 |
| 180° | 441 | 441 | 441 | 441 | 441 | |



TEST NUMBER: P936278

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 | 617.0 |
| 2.5° | 617.0 | 617.0 | 621.0 | 623.0 | 626.9 | 628.9 | 632.9 | 636.9 | 648.8 | 650.8 | 654.7 |
| 5° | 601.2 | 609.1 | 634.9 | 644.7 | 672.6 | 710.2 | 726.1 | 751.9 | 805.5 | 821.3 | 831.3 |
| 7.5° | 577.3 | 595.1 | 658.6 | 674.5 | 744.0 | 843.2 | 884.8 | 940.4 | 1025.7 | 1067.3 | 1101.1 |
| 10° | 539.6 | 577.3 | 690.4 | 728.2 | 841.2 | 992.0 | 1069.3 | 1146.7 | 1275.7 | 1333.3 | 1355.1 |
| 12.5° | 497.9 | 559.5 | 724.1 | 775.7 | 938.4 | 1158.6 | 1251.9 | 1337.2 | 1484.0 | 1561.4 | 1573.3 |
| 15° | 450.4 | 533.7 | 755.9 | 831.3 | 1041.6 | 1297.5 | 1400.7 | 1505.8 | 1642.8 | 1698.3 | 1712.2 |
| 17.5° | 408.7 | 513.8 | 785.6 | 865.0 | 1121.0 | 1422.5 | 1527.6 | 1615.0 | 1726.1 | 1763.8 | 1773.7 |
| 20° | 357.1 | 482.2 | 805.5 | 908.7 | 1204.3 | 1513.8 | 1615.0 | 1682.4 | 1757.8 | 1781.6 | 1785.5 |
| 22.5° | 319.5 | 448.3 | 817.4 | 924.6 | 1259.8 | 1569.3 | 1654.6 | 1708.2 | 1759.8 | 1767.7 | 1769.7 |
| 25° | 287.7 | 410.7 | 815.4 | 942.4 | 1307.4 | 1603.0 | 1668.5 | 1708.2 | 1737.9 | 1742.0 | 1742.0 |
| 27.5° | 257.9 | 369.1 | 807.4 | 946.4 | 1343.1 | 1611.0 | 1662.6 | 1690.3 | 1704.2 | 1712.2 | 1712.2 |
| 30° | 232.1 | 329.3 | 787.6 | 938.4 | 1359.0 | 1603.0 | 1644.7 | 1658.6 | 1672.5 | 1684.4 | 1690.3 |
| 32.5° | 212.3 | 291.7 | 757.8 | 922.5 | 1361.0 | 1583.2 | 1613.0 | 1620.9 | 1640.7 | 1668.5 | 1678.5 |
| 35° | 194.4 | 254.0 | 724.1 | 900.7 | 1349.1 | 1551.5 | 1571.3 | 1579.3 | 1618.9 | 1660.6 | 1674.4 |
| 37.5° | 176.6 | 226.2 | 680.5 | 863.0 | 1331.2 | 1513.8 | 1527.6 | 1541.5 | 1603.0 | 1652.6 | 1668.5 |
| 40° | 158.7 | 202.3 | 628.9 | 821.3 | 1303.5 | 1468.2 | 1480.1 | 1501.9 | 1583.2 | 1640.7 | 1656.6 |
| 42.5° | 144.8 | 182.5 | 573.4 | 777.8 | 1267.8 | 1416.6 | 1434.4 | 1466.2 | 1559.4 | 1620.9 | 1638.7 |
| 45° | 132.9 | 162.7 | 513.8 | 718.2 | 1222.1 | 1362.9 | 1388.8 | 1432.5 | 1531.7 | 1591.1 | 1607.0 |
| 47.5° | 121.0 | 148.8 | 452.4 | 656.7 | 1172.6 | 1309.4 | 1343.1 | 1392.7 | 1493.9 | 1551.5 | 1565.4 |
| 50° | 111.1 | 134.9 | 390.9 | 591.2 | 1118.9 | 1251.9 | 1291.6 | 1343.1 | 1446.4 | 1499.9 | 1517.7 |
| 52.5° | 103.1 | 123.1 | 333.3 | 525.7 | 1057.5 | 1192.4 | 1238.0 | 1291.6 | 1388.8 | 1440.3 | 1452.3 |
| 55° | 95.2 | 113.1 | 283.7 | 456.3 | 994.0 | 1128.9 | 1178.5 | 1230.0 | 1325.3 | 1369.0 | 1376.9 |
| 57.5° | 91.3 | 105.1 | 242.1 | 390.9 | 926.5 | 1057.5 | 1113.0 | 1160.6 | 1249.9 | 1283.7 | 1291.6 |
| 60° | 85.3 | 99.2 | 210.3 | 335.3 | 853.1 | 990.0 | 1037.7 | 1085.2 | 1160.6 | 1188.4 | 1194.3 |
| 62.5° | 79.4 | 95.2 | 186.5 | 281.7 | 777.8 | 910.7 | 958.3 | 1001.9 | 1065.4 | 1085.2 | 1093.2 |
| 65° | 75.4 | 91.3 | 168.6 | 242.1 | 700.4 | 827.4 | 875.0 | 912.6 | 964.2 | 984.0 | 988.0 |
| 67.5° | 71.4 | 87.3 | 154.7 | 208.3 | 623.0 | 744.0 | 779.7 | 815.4 | 855.1 | 875.0 | 876.9 |
| 70° | 65.5 | 83.3 | 142.9 | 184.5 | 543.6 | 648.8 | 678.6 | 716.2 | 748.0 | 757.8 | 763.9 |
| 72.5° | 61.5 | 77.4 | 134.9 | 166.6 | 462.2 | 557.5 | 585.3 | 607.1 | 634.9 | 644.7 | 644.7 |
| 75° | 55.5 | 69.4 | 127.0 | 148.8 | 378.9 | 456.3 | 480.1 | 502.0 | 523.8 | 527.7 | 521.8 |
| 77.5° | 49.6 | 61.5 | 109.2 | 125.0 | 295.6 | 361.1 | 380.9 | 392.8 | 410.7 | 414.6 | 416.6 |
| 80° | 41.7 | 53.5 | 85.3 | 97.2 | 214.3 | 265.8 | 279.7 | 289.7 | 305.6 | 305.6 | 309.5 |
| 82.5° | 31.7 | 41.7 | 61.5 | 69.4 | 144.8 | 182.5 | 194.4 | 200.4 | 210.3 | 210.3 | 210.3 |
| 85° | 19.8 | 25.8 | 39.6 | 45.7 | 87.3 | 111.1 | 119.0 | 121.0 | 129.0 | 130.9 | 130.9 |
| 87.5° | 10.0 | 13.9 | 25.8 | 27.8 | 45.7 | 57.6 | 57.6 | 61.5 | 61.5 | 59.6 | 57.6 |
| 90° | 3.0 | 5.3 | 7.7 | 8.3 | 13.0 | 19.3 | 22.5 | 20.0 | 15.0 | 11.2 | 11.2 |
| 92.5° | 11.8 | 31.9 | 52.2 | 57.2 | 80.4 | 111.3 | 126.8 | 111.1 | 79.8 | 56.3 | 54.0 |
| 95° | 28.4 | 65.3 | 102.1 | 111.4 | 197.8 | 313.1 | 370.6 | 330.7 | 250.9 | 191.1 | 184.3 |
| 97.5° | 49.2 | 81.7 | 114.3 | 122.4 | 266.4 | 458.6 | 554.6 | 529.4 | 479.0 | 441.1 | 428.2 |
| 100° | 65.2 | 94.7 | 124.1 | 131.5 | 291.5 | 504.6 | 611.2 | 613.1 | 616.7 | 619.5 | 604.1 |
| 102.5° | 78.8 | 106.3 | 133.8 | 140.7 | 302.9 | 519.1 | 627.2 | 659.3 | 723.5 | 771.7 | 758.5 |
| 105° | 102.0 | 125.2 | 148.5 | 154.3 | 311.4 | 520.7 | 625.4 | 697.4 | 841.5 | 949.5 | 942.4 |
| 107.5° | 125.6 | 147.3 | 169.1 | 174.5 | 313.0 | 497.5 | 589.8 | 690.3 | 891.2 | 1042.0 | 1043.7 |
| 110° | 141.6 | 161.2 | 180.8 | 185.8 | 310.6 | 477.0 | 560.2 | 672.6 | 897.2 | 1065.7 | 1073.1 |



TEST NUMBER: P936278

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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 112.5° | 157.4 | 176.0 | 194.7 | 199.4 | 310.7 | 459.1 | 533.3 | 648.3 | 878.1 | 1050.6 | 1061.9 |
| 115° | 181.0 | 198.3 | 215.5 | 219.9 | 313.5 | 438.5 | 501.0 | 611.7 | 833.2 | 999.3 | 1015.0 |
| 117.5° | 204.4 | 220.1 | 235.8 | 239.7 | 319.4 | 425.7 | 478.8 | 578.8 | 778.6 | 928.5 | 946.0 |
| 120° | 218.0 | 232.8 | 247.6 | 251.2 | 324.1 | 421.2 | 469.8 | 561.1 | 743.8 | 880.8 | 897.8 |
| 122.5° | 231.4 | 246.3 | 261.1 | 264.8 | 330.9 | 419.0 | 463.0 | 545.3 | 709.7 | 833.1 | 849.7 |
| 125° | 251.8 | 265.4 | 279.0 | 282.4 | 340.2 | 417.2 | 455.6 | 525.4 | 665.2 | 770.0 | 785.3 |
| 127.5° | 268.4 | 282.1 | 295.8 | 299.3 | 349.3 | 416.1 | 449.4 | 509.4 | 629.4 | 719.3 | 732.3 |
| 130° | 277.3 | 292.1 | 306.8 | 310.5 | 356.0 | 416.7 | 447.1 | 500.5 | 607.3 | 687.3 | 699.4 |
| 132.5° | 286.5 | 301.2 | 316.0 | 319.7 | 361.5 | 417.2 | 445.0 | 492.8 | 588.4 | 660.1 | 670.9 |
| 135° | 300.1 | 313.5 | 327.0 | 330.3 | 367.4 | 416.8 | 441.4 | 481.5 | 561.5 | 621.6 | 630.8 |
| 137.5° | 314.0 | 327.4 | 340.6 | 343.9 | 376.3 | 419.3 | 440.8 | 474.7 | 542.3 | 593.1 | 600.7 |
| 140° | 325.6 | 337.8 | 350.1 | 353.2 | 381.7 | 419.7 | 438.8 | 468.0 | 526.4 | 570.3 | 577.4 |
| 142.5° | 334.5 | 345.8 | 357.1 | 360.0 | 386.2 | 421.2 | 438.8 | 464.4 | 515.8 | 554.3 | 560.4 |
| 145° | 348.2 | 358.0 | 367.9 | 370.3 | 392.1 | 421.2 | 435.8 | 456.8 | 498.8 | 530.3 | 534.9 |
| 147.5° | 361.8 | 371.3 | 381.0 | 383.4 | 400.8 | 424.2 | 435.8 | 452.4 | 485.4 | 510.2 | 514.0 |
| 150° | 370.6 | 379.3 | 388.0 | 390.2 | 405.3 | 425.7 | 435.8 | 449.8 | 477.7 | 498.6 | 501.7 |
| 152.5° | 379.8 | 386.4 | 392.9 | 394.6 | 408.3 | 426.6 | 435.8 | 447.7 | 471.6 | 489.5 | 491.8 |
| 155° | 393.4 | 398.2 | 403.2 | 404.4 | 414.8 | 428.8 | 435.8 | 445.3 | 464.3 | 478.5 | 480.1 |
| 157.5° | 403.5 | 408.2 | 413.0 | 414.2 | 421.4 | 431.0 | 435.8 | 443.2 | 457.9 | 468.9 | 470.0 |
| 160° | 410.4 | 414.0 | 417.8 | 418.7 | 424.4 | 432.0 | 435.8 | 442.1 | 454.7 | 464.2 | 464.8 |
| 162.5° | 417.2 | 419.9 | 422.7 | 423.4 | 427.5 | 433.1 | 435.8 | 441.1 | 451.8 | 459.8 | 460.4 |
| 165° | 424.6 | 427.0 | 429.6 | 430.2 | 432.1 | 434.5 | 435.8 | 439.7 | 447.2 | 453.0 | 453.6 |
| 167.5° | 431.4 | 432.6 | 433.7 | 434.0 | 435.6 | 437.7 | 438.8 | 441.2 | 446.3 | 450.0 | 450.3 |
| 170° | 435.8 | 437.0 | 438.2 | 438.5 | 438.6 | 438.7 | 438.8 | 441.2 | 446.3 | 450.0 | 450.0 |
| 172.5° | 438.2 | 438.5 | 438.7 | 438.8 | 438.8 | 438.8 | 438.8 | 440.7 | 444.7 | 447.6 | 447.4 |
| 175° | 441.4 | 441.4 | 441.4 | 441.4 | 440.5 | 439.4 | 438.8 | 440.1 | 442.5 | 444.4 | 444.4 |
| 177.5° | 441.4 | 441.4 | 441.4 | 441.4 | 440.7 | 439.9 | 439.4 | 440.3 | 442.3 | 443.8 | 443.5 |
| 180° | 441.4 | 441.4 | 441.4 | 441.4 | 441.4 | 441.4 | 441.4 | 441.4 | 441.4 | 441.4 | 441.4 |



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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 617.0 | 617.0 |
| 2.5° | 658.6 | 654.7 |
| 5° | 847.2 | 851.1 |
| 7.5° | 1140.8 | 1138.8 |
| 10° | 1418.6 | 1436.4 |
| 12.5° | 1620.9 | 1624.8 |
| 15° | 1743.9 | 1751.8 |
| 17.5° | 1791.6 | 1793.5 |
| 20° | 1793.5 | 1789.6 |
| 22.5° | 1771.6 | 1767.7 |
| 25° | 1745.9 | 1743.9 |
| 27.5° | 1722.0 | 1724.1 |
| 30° | 1712.2 | 1718.1 |
| 32.5° | 1712.2 | 1722.0 |
| 35° | 1716.1 | 1726.1 |
| 37.5° | 1714.2 | 1726.1 |
| 40° | 1706.2 | 1720.1 |
| 42.5° | 1684.4 | 1694.3 |
| 45° | 1650.7 | 1662.6 |
| 47.5° | 1607.0 | 1615.0 |
| 50° | 1551.5 | 1559.4 |
| 52.5° | 1482.1 | 1484.0 |
| 55° | 1398.7 | 1406.6 |
| 57.5° | 1309.4 | 1311.4 |
| 60° | 1210.2 | 1216.1 |
| 62.5° | 1105.1 | 1105.1 |
| 65° | 994.0 | 997.9 |
| 67.5° | 878.9 | 888.8 |
| 70° | 761.9 | 763.9 |
| 72.5° | 646.8 | 646.8 |
| 75° | 527.7 | 529.7 |
| 77.5° | 414.6 | 414.6 |
| 80° | 307.5 | 309.5 |
| 82.5° | 212.3 | 216.2 |
| 85° | 132.9 | 132.9 |
| 87.5° | 61.5 | 55.5 |
| 90° | 11.2 | 11.2 |
| 92.5° | 45.2 | 36.2 |
| 95° | 157.2 | 130.1 |
| 97.5° | 376.7 | 325.0 |
| 100° | 542.7 | 481.2 |
| 102.5° | 705.9 | 653.2 |
| 105° | 914.1 | 885.8 |
| 107.5° | 1050.6 | 1057.4 |
| 110° | 1102.5 | 1132.0 |



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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1107.2 | 1152.4 |
| 115° | 1077.8 | 1140.6 |
| 117.5° | 1015.6 | 1085.2 |
| 120° | 965.4 | 1033.0 |
| 122.5° | 916.6 | 983.3 |
| 125° | 846.8 | 908.3 |
| 127.5° | 784.2 | 836.0 |
| 130° | 747.3 | 795.2 |
| 132.5° | 713.8 | 756.7 |
| 135° | 667.8 | 704.8 |
| 137.5° | 630.9 | 661.3 |
| 140° | 605.7 | 634.0 |
| 142.5° | 584.8 | 609.2 |
| 145° | 553.3 | 571.8 |
| 147.5° | 529.3 | 544.6 |
| 150° | 514.1 | 526.4 |
| 152.5° | 501.1 | 510.5 |
| 155° | 486.2 | 492.4 |
| 157.5° | 474.5 | 478.8 |
| 160° | 467.4 | 469.8 |
| 162.5° | 462.7 | 465.1 |
| 165° | 456.1 | 458.6 |
| 167.5° | 451.3 | 452.4 |
| 170° | 450.0 | 450.0 |
| 172.5° | 446.5 | 445.6 |
| 175° | 444.4 | 444.4 |
| 177.5° | 442.5 | 441.4 |
| 180° | 441.4 | 441.4 |



TEST NUMBER: P936278
 CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-STD-W-12-3000K

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 | 4.32 | 5.36 | 5.15 | 6.22 | 7.30 | 17.51 | 18.55 | 18.35 | 19.41 | 20.49 |
| | 3H | 5.04 | 5.97 | 5.89 | 6.85 | 7.95 | 19.37 | 20.31 | 20.22 | 21.18 | 22.28 |
| | 4H | 5.35 | 6.23 | 6.21 | 7.11 | 8.22 | 20.03 | 20.91 | 20.89 | 21.79 | 22.90 |
| | 6H | 5.61 | 6.42 | 6.48 | 7.31 | 8.44 | 20.47 | 21.29 | 21.35 | 22.17 | 23.30 |
| | 8H | 5.68 | 6.46 | 6.56 | 7.36 | 8.49 | 20.60 | 21.38 | 21.48 | 22.28 | 23.41 |
| | 12H | 5.70 | 6.45 | 6.59 | 7.34 | 8.50 | 20.68 | 21.42 | 21.57 | 22.32 | 23.47 |
| 4H | 2H | 11.57 | 12.45 | 12.43 | 13.33 | 14.44 | 17.81 | 18.69 | 18.67 | 19.57 | 20.68 |
| | 3H | 13.15 | 13.89 | 14.03 | 14.80 | 15.93 | 19.87 | 20.62 | 20.75 | 21.53 | 22.66 |
| | 4H | 13.25 | 13.93 | 14.14 | 14.83 | 15.99 | 20.65 | 21.33 | 21.54 | 22.24 | 23.39 |
| | 6H | 13.27 | 13.86 | 14.18 | 14.79 | 15.95 | 21.21 | 21.79 | 22.11 | 22.72 | 23.88 |
| | 8H | 13.25 | 13.80 | 14.16 | 14.73 | 15.90 | 21.38 | 21.93 | 22.29 | 22.85 | 24.02 |
| | 12H | 13.22 | 13.72 | 14.15 | 14.66 | 15.84 | 21.48 | 21.98 | 22.41 | 22.92 | 24.10 |
| 8H | 4H | 14.71 | 15.26 | 15.62 | 16.19 | 17.36 | 20.73 | 21.28 | 21.64 | 22.20 | 23.37 |
| | 6H | 14.96 | 15.42 | 15.90 | 16.39 | 17.56 | 21.37 | 21.83 | 22.31 | 22.79 | 23.96 |
| | 8H | 14.99 | 15.39 | 15.93 | 16.35 | 17.53 | 21.60 | 22.00 | 22.54 | 22.96 | 24.14 |
| | 12H | 14.96 | 15.32 | 15.91 | 16.27 | 17.51 | 21.75 | 22.11 | 22.70 | 23.06 | 24.30 |
| 12H | 4H | 14.87 | 15.36 | 15.80 | 16.31 | 17.48 | 20.69 | 21.19 | 21.62 | 22.13 | 23.31 |
| | 6H | 15.23 | 15.63 | 16.17 | 16.59 | 17.78 | 21.36 | 21.76 | 22.30 | 22.72 | 23.91 |
| | 8H | 15.31 | 15.66 | 16.26 | 16.61 | 17.85 | 21.60 | 21.95 | 22.55 | 22.90 | 24.14 |