

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: P936494

Luminaire Tested: SQ4-FB-025U-100D-B2750-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936494
REPORT IS A COMBINATION OF REPORTS P933455 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-100D-B2750-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

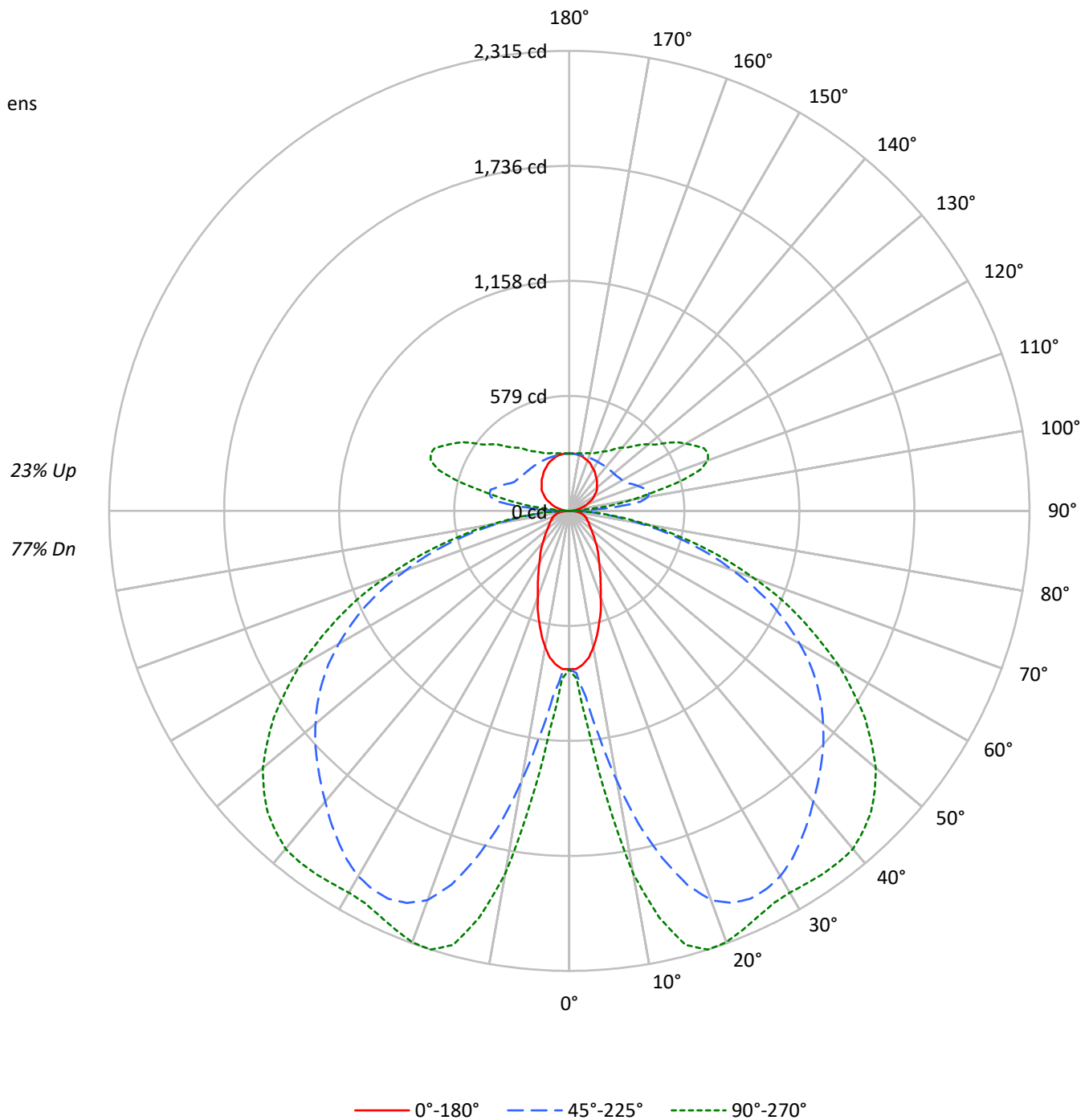
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8036.9 lumens
Efficiency: N/A
Efficacy: 103.6 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): 77.6
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: P936494
CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P936494

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-STD-W-8-3500K

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 89 | 89 | 89 | 81 | 81 | 81 | 77 | | | 77 |
| 1 | 103 | 98 | 94 | 90 | 98 | 94 | 90 | 86 | 85 | 82 | 79 | 77 | 75 | 73 | 70 | 68 | 66 | 63 | | | 63 |
| 2 | 93 | 85 | 78 | 72 | 88 | 81 | 75 | 69 | 73 | 68 | 64 | 67 | 63 | 59 | 61 | 57 | 55 | 51 | | | 51 |
| 3 | 84 | 74 | 65 | 59 | 80 | 70 | 63 | 57 | 64 | 58 | 53 | 58 | 53 | 49 | 53 | 49 | 45 | 42 | | | 42 |
| 4 | 77 | 65 | 56 | 49 | 73 | 62 | 54 | 47 | 56 | 50 | 44 | 51 | 46 | 41 | 47 | 42 | 38 | 35 | | | 35 |
| 5 | 70 | 57 | 48 | 42 | 66 | 55 | 46 | 40 | 50 | 43 | 38 | 46 | 40 | 35 | 41 | 37 | 33 | 30 | | | 30 |
| 6 | 64 | 51 | 42 | 36 | 61 | 49 | 41 | 35 | 45 | 38 | 32 | 41 | 35 | 30 | 37 | 32 | 28 | 26 | | | 26 |
| 7 | 59 | 46 | 37 | 31 | 56 | 44 | 36 | 30 | 40 | 33 | 28 | 37 | 31 | 27 | 34 | 29 | 25 | 22 | | | 22 |
| 8 | 55 | 42 | 33 | 27 | 52 | 40 | 32 | 26 | 37 | 30 | 25 | 34 | 28 | 23 | 31 | 26 | 22 | 20 | | | 20 |
| 9 | 51 | 38 | 30 | 24 | 49 | 36 | 29 | 23 | 33 | 27 | 22 | 31 | 25 | 21 | 28 | 23 | 20 | 17 | | | 17 |
| 10 | 48 | 35 | 27 | 21 | 45 | 33 | 26 | 21 | 31 | 24 | 20 | 28 | 23 | 19 | 26 | 21 | 17 | 16 | | | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|-------|
| 0° | 3695 | 3695 | 3695 |
| 5° | 3610 | 4270 | 4967 |
| 10° | 3274 | 6225 | 8234 |
| 15° | 2783 | 8133 | 9943 |
| 20° | 2266 | 9425 | 10133 |
| 25° | 1890 | 9863 | 9927 |
| 30° | 1594 | 9925 | 9908 |
| 35° | 1409 | 9760 | 10164 |
| 40° | 1228 | 9546 | 10429 |
| 45° | 1112 | 9390 | 10470 |
| 50° | 1020 | 9248 | 10296 |
| 55° | 977 | 9041 | 9840 |
| 60° | 1000 | 8645 | 9120 |
| 65° | 1040 | 8041 | 8129 |
| 70° | 1108 | 7012 | 6868 |
| 75° | 1228 | 5717 | 5359 |
| 80° | 1342 | 3964 | 3611 |
| 85° | 1192 | 2104 | 1849 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10470 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 103.0 | 1.3 |
| 10°-20° | 456.6 | 5.7 |
| 20°-30° | 798.6 | 9.9 |
| 30°-40° | 1028.1 | 12.8 |
| 40°-50° | 1148.3 | 14.3 |
| 50°-60° | 1099.8 | 13.7 |
| 60°-70° | 871.6 | 10.8 |
| 70°-80° | 512.5 | 6.4 |
| 80°-90° | 143.5 | 1.8 |
| 90°-100° | 141.0 | 1.8 |
| 100°-110° | 370.6 | 4.6 |
| 110°-120° | 384.3 | 4.8 |
| 120°-130° | 308.3 | 3.8 |
| 130°-140° | 241.9 | 3.0 |
| 140°-150° | 185.7 | 2.3 |
| 150°-160° | 133.7 | 1.7 |
| 160°-170° | 81.8 | 1.0 |
| 170°-180° | 27.6 | 0.3 |
| 0°-30° | 1358.2 | 16.9 |
| 0°-40° | 2386.3 | 29.7 |
| 0°-60° | 4634.4 | 57.7 |
| 0°-90° | 6162.0 | 76.7 |
| 90°-120° | 895.9 | 11.1 |
| 90°-150° | 1631.8 | 20.3 |
| 90°-180° | 1875.0 | 23.3 |
| 0°-180° | 8036.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 796 | 796 | 796 | 796 | 796 | |
| 5° | 776 | 832 | 937 | 1060 | 1099 | 72 |
| 15° | 581 | 1073 | 1808 | 2192 | 2261 | 162 |
| 25° | 371 | 1216 | 2154 | 2248 | 2251 | 171 |
| 35° | 251 | 1163 | 2028 | 2143 | 2228 | 157 |
| 45° | 172 | 927 | 1793 | 2054 | 2146 | 133 |
| 55° | 123 | 589 | 1521 | 1767 | 1816 | 112 |
| 65° | 97 | 312 | 1129 | 1270 | 1288 | 96 |
| 75° | 72 | 192 | 620 | 681 | 684 | 75 |
| 85° | 26 | 59 | 154 | 169 | 172 | 27 |
| 90° | 2 | 5 | 15 | 7 | 7 | 3 |
| 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 | |



TEST NUMBER: P936494

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 796.4 | 796.4 | 796.4 | 796.4 | 796.4 | 796.4 | 796.4 | 796.4 | 796.4 | 796.4 | 796.4 |
| 2.5° | 796.4 | 796.4 | 801.6 | 804.1 | 809.2 | 811.7 | 816.9 | 822.0 | 837.4 | 839.9 | 845.1 |
| 5° | 775.9 | 786.1 | 819.5 | 832.3 | 868.1 | 916.8 | 937.2 | 970.6 | 1039.6 | 1060.2 | 1073.0 |
| 7.5° | 745.2 | 768.2 | 850.2 | 870.6 | 960.3 | 1088.3 | 1142.1 | 1213.8 | 1323.9 | 1377.7 | 1421.2 |
| 10° | 696.5 | 745.2 | 891.2 | 939.8 | 1085.8 | 1280.3 | 1380.2 | 1480.1 | 1646.5 | 1720.8 | 1748.9 |
| 12.5° | 642.7 | 722.1 | 934.7 | 1001.3 | 1211.2 | 1495.5 | 1615.8 | 1726.0 | 1915.4 | 2015.3 | 2030.6 |
| 15° | 581.3 | 688.9 | 975.7 | 1073.0 | 1344.4 | 1674.7 | 1807.9 | 1943.6 | 2120.3 | 2192.0 | 2209.9 |
| 17.5° | 527.5 | 663.3 | 1014.1 | 1116.5 | 1446.8 | 1836.1 | 1971.8 | 2084.4 | 2227.8 | 2276.5 | 2289.4 |
| 20° | 461.0 | 622.3 | 1039.6 | 1172.8 | 1554.4 | 1953.9 | 2084.4 | 2171.5 | 2268.8 | 2299.5 | 2304.7 |
| 22.5° | 412.3 | 578.7 | 1055.0 | 1193.3 | 1626.1 | 2025.6 | 2135.7 | 2204.8 | 2271.4 | 2281.6 | 2284.2 |
| 25° | 371.3 | 530.0 | 1052.4 | 1216.4 | 1687.5 | 2069.1 | 2153.6 | 2204.8 | 2243.2 | 2248.4 | 2248.4 |
| 27.5° | 332.9 | 476.3 | 1042.3 | 1221.5 | 1733.6 | 2079.4 | 2145.9 | 2181.8 | 2199.7 | 2209.9 | 2209.9 |
| 30° | 299.6 | 425.1 | 1016.6 | 1211.2 | 1754.1 | 2069.1 | 2122.9 | 2140.8 | 2158.7 | 2174.0 | 2181.8 |
| 32.5° | 274.0 | 376.5 | 978.2 | 1190.7 | 1756.7 | 2043.5 | 2081.9 | 2092.2 | 2117.7 | 2153.6 | 2166.4 |
| 35° | 251.0 | 327.8 | 934.7 | 1162.6 | 1741.3 | 2002.5 | 2028.1 | 2038.4 | 2089.6 | 2143.3 | 2161.3 |
| 37.5° | 227.9 | 292.0 | 878.3 | 1114.0 | 1718.2 | 1953.9 | 1971.8 | 1989.7 | 2069.1 | 2133.1 | 2153.6 |
| 40° | 204.8 | 261.2 | 811.7 | 1060.2 | 1682.4 | 1895.0 | 1910.3 | 1938.5 | 2043.5 | 2117.7 | 2138.2 |
| 42.5° | 186.9 | 235.6 | 740.0 | 1003.8 | 1636.4 | 1828.4 | 1851.5 | 1892.4 | 2012.7 | 2092.2 | 2115.2 |
| 45° | 171.6 | 210.0 | 663.3 | 926.9 | 1577.4 | 1759.2 | 1792.6 | 1848.9 | 1976.9 | 2053.7 | 2074.2 |
| 47.5° | 156.2 | 192.1 | 583.8 | 847.6 | 1513.4 | 1690.1 | 1733.6 | 1797.7 | 1928.2 | 2002.5 | 2020.5 |
| 50° | 143.4 | 174.1 | 504.5 | 763.1 | 1444.3 | 1615.8 | 1667.1 | 1733.6 | 1866.8 | 1936.0 | 1958.9 |
| 52.5° | 133.1 | 158.7 | 430.2 | 678.6 | 1364.8 | 1539.0 | 1597.9 | 1667.1 | 1792.6 | 1859.1 | 1874.4 |
| 55° | 122.9 | 145.9 | 366.2 | 589.0 | 1283.0 | 1457.1 | 1521.0 | 1587.7 | 1710.6 | 1766.9 | 1777.1 |
| 57.5° | 117.8 | 135.8 | 312.4 | 504.5 | 1195.8 | 1364.8 | 1436.5 | 1498.1 | 1613.3 | 1656.8 | 1667.1 |
| 60° | 110.1 | 128.0 | 271.4 | 432.8 | 1101.2 | 1277.8 | 1339.3 | 1400.7 | 1498.1 | 1533.9 | 1541.6 |
| 62.5° | 102.4 | 122.9 | 240.7 | 363.7 | 1003.8 | 1175.4 | 1236.8 | 1293.2 | 1375.1 | 1400.7 | 1411.0 |
| 65° | 97.3 | 117.8 | 217.6 | 312.4 | 904.0 | 1067.8 | 1129.3 | 1177.9 | 1244.5 | 1270.2 | 1275.3 |
| 67.5° | 92.2 | 112.7 | 199.7 | 268.9 | 804.1 | 960.3 | 1006.4 | 1052.4 | 1103.7 | 1129.3 | 1131.9 |
| 70° | 84.5 | 107.6 | 184.4 | 238.2 | 701.7 | 837.4 | 875.8 | 924.4 | 965.4 | 978.2 | 985.9 |
| 72.5° | 79.4 | 99.9 | 174.1 | 215.1 | 596.6 | 719.6 | 755.4 | 783.6 | 819.5 | 832.3 | 832.3 |
| 75° | 71.7 | 89.6 | 163.9 | 192.1 | 489.2 | 589.0 | 619.7 | 647.9 | 676.1 | 681.2 | 673.5 |
| 77.5° | 64.1 | 79.4 | 140.8 | 161.3 | 381.6 | 466.1 | 491.7 | 507.0 | 530.0 | 535.2 | 537.8 |
| 80° | 53.8 | 69.2 | 110.1 | 125.5 | 276.6 | 343.1 | 361.0 | 373.8 | 394.4 | 394.4 | 399.5 |
| 82.5° | 41.0 | 53.8 | 79.4 | 89.6 | 186.9 | 235.6 | 251.0 | 258.6 | 271.4 | 271.4 | 271.4 |
| 85° | 25.6 | 33.3 | 51.3 | 58.9 | 112.7 | 143.4 | 153.7 | 156.2 | 166.5 | 169.0 | 169.0 |
| 87.5° | 12.8 | 17.9 | 33.3 | 35.9 | 58.9 | 74.2 | 74.2 | 79.4 | 79.4 | 76.8 | 74.2 |
| 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 |



TEST NUMBER: P936494

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 796.4 | 796.4 |
| 2.5° | 850.2 | 845.1 |
| 5° | 1093.4 | 1098.6 |
| 7.5° | 1472.4 | 1469.9 |
| 10° | 1830.9 | 1854.0 |
| 12.5° | 2092.2 | 2097.3 |
| 15° | 2250.9 | 2261.2 |
| 17.5° | 2312.3 | 2314.9 |
| 20° | 2314.9 | 2309.8 |
| 22.5° | 2286.7 | 2281.6 |
| 25° | 2253.5 | 2250.9 |
| 27.5° | 2222.7 | 2225.3 |
| 30° | 2209.9 | 2217.7 |
| 32.5° | 2209.9 | 2222.7 |
| 35° | 2215.0 | 2227.8 |
| 37.5° | 2212.5 | 2227.8 |
| 40° | 2202.2 | 2220.2 |
| 42.5° | 2174.0 | 2186.8 |
| 45° | 2130.5 | 2145.9 |
| 47.5° | 2074.2 | 2084.4 |
| 50° | 2002.5 | 2012.7 |
| 52.5° | 1912.9 | 1915.4 |
| 55° | 1805.3 | 1815.6 |
| 57.5° | 1690.1 | 1692.6 |
| 60° | 1562.0 | 1569.8 |
| 62.5° | 1426.4 | 1426.4 |
| 65° | 1283.0 | 1288.1 |
| 67.5° | 1134.4 | 1147.2 |
| 70° | 983.3 | 985.9 |
| 72.5° | 834.8 | 834.8 |
| 75° | 681.2 | 683.7 |
| 77.5° | 535.2 | 535.2 |
| 80° | 396.9 | 399.5 |
| 82.5° | 274.0 | 279.2 |
| 85° | 171.6 | 171.6 |
| 87.5° | 79.4 | 71.7 |
| 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: P936494

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-STD-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: P936494

CATALOG NUMBER: SQ4-FB-025U-100D-B2750-1D-UNV-STD-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 | 7.68 | 8.91 | 8.36 | 9.62 | 10.44 | 20.86 | 22.09 | 21.54 | 22.80 | 23.62 |
| | 3H | 8.41 | 9.52 | 9.10 | 10.24 | 11.10 | 22.72 | 23.84 | 23.42 | 24.55 | 25.41 |
| | 4H | 8.72 | 9.78 | 9.44 | 10.50 | 11.38 | 23.38 | 24.44 | 24.10 | 25.16 | 26.04 |
| | 6H | 8.99 | 9.97 | 9.72 | 10.70 | 11.59 | 23.83 | 24.81 | 24.56 | 25.54 | 26.43 |
| | 8H | 9.07 | 10.00 | 9.81 | 10.76 | 11.65 | 23.96 | 24.90 | 24.70 | 25.65 | 26.54 |
| | 12H | 9.10 | 9.99 | 9.85 | 10.74 | 11.66 | 24.05 | 24.94 | 24.79 | 25.69 | 26.60 |
| 4H | 2H | 14.94 | 15.99 | 15.65 | 16.72 | 17.59 | 21.17 | 22.23 | 21.89 | 22.95 | 23.83 |
| | 3H | 16.54 | 17.42 | 17.27 | 18.18 | 19.08 | 23.25 | 24.14 | 23.98 | 24.90 | 25.79 |
| | 4H | 16.65 | 17.45 | 17.39 | 18.22 | 19.14 | 24.03 | 24.84 | 24.78 | 25.60 | 26.52 |
| | 6H | 16.68 | 17.38 | 17.44 | 18.17 | 19.10 | 24.60 | 25.30 | 25.36 | 26.09 | 27.01 |
| | 8H | 16.67 | 17.32 | 17.44 | 18.11 | 19.05 | 24.77 | 25.43 | 25.54 | 26.21 | 27.15 |
| | 12H | 16.64 | 17.24 | 17.43 | 18.04 | 18.99 | 24.88 | 25.47 | 25.67 | 26.28 | 27.23 |
| 8H | 4H | 18.12 | 18.78 | 18.89 | 19.57 | 20.51 | 24.13 | 24.78 | 24.90 | 25.57 | 26.51 |
| | 6H | 18.38 | 18.93 | 19.18 | 19.76 | 20.70 | 24.77 | 25.32 | 25.57 | 26.15 | 27.09 |
| | 8H | 18.41 | 18.89 | 19.22 | 19.72 | 20.68 | 25.00 | 25.49 | 25.81 | 26.31 | 27.27 |
| | 12H | 18.39 | 18.82 | 19.21 | 19.64 | 20.65 | 25.16 | 25.59 | 25.98 | 26.41 | 27.42 |
| 12H | 4H | 18.29 | 18.88 | 19.08 | 19.69 | 20.63 | 24.10 | 24.69 | 24.89 | 25.50 | 26.45 |
| | 6H | 18.65 | 19.14 | 19.46 | 19.96 | 20.92 | 24.76 | 25.25 | 25.57 | 26.07 | 27.03 |
| | 8H | 18.74 | 19.17 | 19.55 | 19.98 | 21.00 | 25.01 | 25.44 | 25.82 | 26.26 | 27.27 |