

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: P937294

Luminaire Tested: SQ4-FB-075U-100D-B2750-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937294
REPORT IS A COMBINATION OF REPORTS P933519 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-075U-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: -

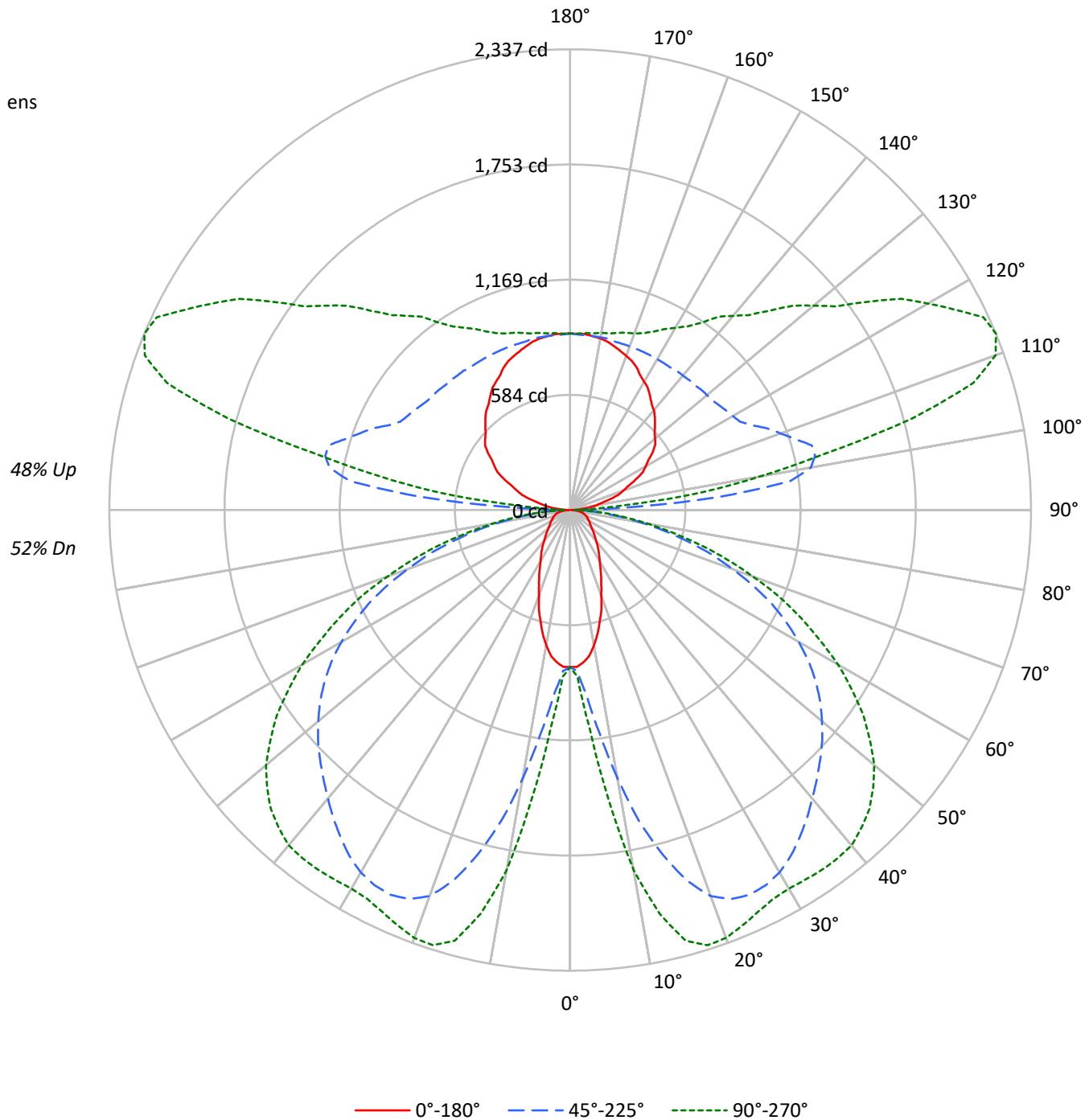
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11967.2 lumens
Efficiency: N/A
Efficacy: 116.9 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: General Diffuse

Input Watts (W): 102.4
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: P937294
CATALOG NUMBER: SQ4-FB-075U-100D-B2750-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P937294

CATALOG NUMBER: SQ4-FB-075U-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 |
| 1 | 98 | 93 | 89 | 85 | 90 | 86 | 82 | 79 | 73 | 70 | 68 | 61 | 59 | 57 | 50 | 49 | 47 | 42 |
| 2 | 88 | 80 | 74 | 69 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 53 | 50 | 47 | 43 | 41 | 39 | 34 |
| 3 | 80 | 70 | 62 | 56 | 74 | 65 | 58 | 53 | 55 | 50 | 46 | 46 | 42 | 39 | 38 | 35 | 32 | 28 |
| 4 | 73 | 62 | 53 | 47 | 67 | 57 | 50 | 44 | 49 | 43 | 38 | 41 | 36 | 33 | 33 | 30 | 27 | 24 |
| 5 | 67 | 55 | 46 | 40 | 61 | 51 | 43 | 37 | 43 | 37 | 33 | 36 | 32 | 28 | 30 | 26 | 23 | 20 |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 38 | 32 | 39 | 33 | 28 | 32 | 28 | 24 | 27 | 23 | 20 | 17 |
| 7 | 56 | 44 | 35 | 30 | 52 | 41 | 33 | 28 | 35 | 29 | 24 | 29 | 25 | 21 | 24 | 20 | 18 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 26 | 21 | 27 | 22 | 19 | 22 | 18 | 16 | 13 |
| 9 | 49 | 36 | 28 | 23 | 45 | 33 | 26 | 22 | 29 | 23 | 19 | 24 | 20 | 16 | 20 | 17 | 14 | 12 |
| 10 | 45 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 19 | 15 | 12 | 10 |

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 | 0.9 |
| 10°-20° | 456.6 | 3.8 |
| 20°-30° | 798.6 | 6.7 |
| 30°-40° | 1028.1 | 8.6 |
| 40°-50° | 1148.3 | 9.6 |
| 50°-60° | 1099.8 | 9.2 |
| 60°-70° | 871.6 | 7.3 |
| 70°-80° | 512.5 | 4.3 |
| 80°-90° | 145.8 | 1.2 |
| 90°-100° | 436.4 | 3.6 |
| 100°-110° | 1147.2 | 9.6 |
| 110°-120° | 1189.5 | 9.9 |
| 120°-130° | 954.1 | 8.0 |
| 130°-140° | 748.6 | 6.3 |
| 140°-150° | 574.6 | 4.8 |
| 150°-160° | 413.8 | 3.5 |
| 160°-170° | 253.2 | 2.1 |
| 170°-180° | 85.5 | 0.7 |
| 0°-30° | 1358.2 | 11.3 |
| 0°-40° | 2386.3 | 19.9 |
| 0°-60° | 4634.4 | 38.7 |
| 0°-90° | 6164.3 | 51.5 |
| 90°-120° | 2773.0 | 23.2 |
| 90°-150° | 5050.3 | 42.2 |
| 90°-180° | 5803.0 | 48.5 |
| 0°-180° | 11967.2 | 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° | 6 | 17 | 46 | 23 | 23 | 7 |
| 95° | 58 | 226 | 752 | 388 | 264 | 64 |
| 105° | 207 | 313 | 1268 | 1925 | 1796 | 219 |
| 115° | 367 | 446 | 1016 | 2026 | 2313 | 363 |
| 125° | 511 | 572 | 924 | 1561 | 1842 | 453 |
| 135° | 608 | 670 | 895 | 1260 | 1429 | 471 |
| 145° | 706 | 751 | 884 | 1075 | 1160 | 442 |
| 155° | 798 | 820 | 884 | 970 | 998 | 367 |
| 165° | 861 | 872 | 884 | 919 | 930 | 243 |
| 175° | 895 | 895 | 890 | 901 | 901 | 85 |
| 180° | 895 | 895 | 895 | 895 | 895 | |



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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° | 6.0 | 10.9 | 15.7 | 16.9 | 26.5 | 39.2 | 45.6 | 40.6 | 30.4 | 22.9 | 22.9 |
| 92.5° | 24.0 | 64.9 | 105.8 | 116.0 | 163.1 | 225.8 | 257.2 | 225.4 | 161.8 | 114.1 | 109.6 |
| 95° | 57.7 | 132.5 | 207.2 | 225.9 | 401.1 | 634.7 | 751.6 | 670.6 | 508.8 | 387.5 | 373.7 |
| 97.5° | 99.7 | 165.7 | 231.7 | 248.2 | 540.3 | 929.9 | 1124.6 | 1073.5 | 971.2 | 894.6 | 868.4 |
| 100° | 132.2 | 192.0 | 251.8 | 266.8 | 591.0 | 1023.3 | 1239.4 | 1243.1 | 1250.6 | 1256.2 | 1225.0 |
| 102.5° | 159.8 | 215.6 | 271.4 | 285.4 | 614.2 | 1052.6 | 1271.8 | 1336.9 | 1467.3 | 1565.0 | 1538.3 |
| 105° | 206.7 | 254.0 | 301.2 | 313.0 | 631.4 | 1055.9 | 1268.2 | 1414.3 | 1706.3 | 1925.4 | 1911.1 |
| 107.5° | 254.8 | 298.8 | 342.8 | 353.9 | 634.6 | 1008.9 | 1196.1 | 1399.8 | 1807.3 | 2112.9 | 2116.4 |
| 110° | 287.2 | 326.9 | 366.7 | 376.7 | 629.8 | 967.3 | 1136.1 | 1363.8 | 1819.3 | 2161.0 | 2175.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 319.0 | 356.9 | 394.8 | 404.3 | 629.9 | 930.9 | 1081.4 | 1314.5 | 1780.7 | 2130.3 | 2153.3 |
| 115° | 367.1 | 402.0 | 437.0 | 445.7 | 635.8 | 889.2 | 1015.9 | 1240.4 | 1689.5 | 2026.4 | 2058.3 |
| 117.5° | 414.5 | 446.3 | 478.1 | 486.1 | 647.7 | 863.1 | 970.8 | 1173.5 | 1578.8 | 1882.8 | 1918.0 |
| 120° | 442.2 | 472.0 | 501.9 | 509.4 | 657.2 | 854.3 | 952.8 | 1138.0 | 1508.3 | 1786.1 | 1820.4 |
| 122.5° | 469.2 | 499.4 | 529.6 | 537.1 | 671.0 | 849.6 | 939.0 | 1105.7 | 1439.3 | 1689.4 | 1723.2 |
| 125° | 510.7 | 538.2 | 565.6 | 572.5 | 689.6 | 845.8 | 923.9 | 1065.6 | 1348.8 | 1561.3 | 1592.6 |
| 127.5° | 544.3 | 572.1 | 599.8 | 606.8 | 708.3 | 843.7 | 911.3 | 1033.0 | 1276.2 | 1458.6 | 1484.9 |
| 130° | 562.3 | 592.2 | 622.1 | 629.6 | 721.9 | 845.1 | 906.6 | 1014.8 | 1231.4 | 1393.8 | 1418.1 |
| 132.5° | 580.9 | 610.9 | 640.8 | 648.3 | 733.0 | 845.8 | 902.3 | 999.2 | 1193.1 | 1338.5 | 1360.3 |
| 135° | 608.5 | 635.8 | 663.1 | 669.9 | 745.0 | 845.1 | 895.2 | 976.4 | 1138.7 | 1260.4 | 1279.2 |
| 137.5° | 636.8 | 663.8 | 690.7 | 697.5 | 763.0 | 850.3 | 893.9 | 962.5 | 1099.8 | 1202.7 | 1218.0 |
| 140° | 660.3 | 685.1 | 709.9 | 716.1 | 773.9 | 851.2 | 889.7 | 949.0 | 1067.5 | 1156.5 | 1170.8 |
| 142.5° | 678.3 | 701.3 | 724.2 | 729.9 | 783.2 | 854.3 | 889.7 | 941.8 | 1045.9 | 1124.0 | 1136.3 |
| 145° | 705.9 | 726.0 | 745.9 | 751.0 | 795.3 | 854.3 | 883.7 | 926.4 | 1011.5 | 1075.4 | 1084.7 |
| 147.5° | 733.5 | 753.0 | 772.6 | 777.4 | 812.9 | 860.1 | 883.7 | 917.3 | 984.2 | 1034.5 | 1042.3 |
| 150° | 751.6 | 769.2 | 786.8 | 791.2 | 822.0 | 863.2 | 883.7 | 912.0 | 968.6 | 1011.1 | 1017.4 |
| 152.5° | 770.2 | 783.5 | 796.9 | 800.2 | 828.0 | 865.1 | 883.7 | 907.9 | 956.2 | 992.4 | 997.2 |
| 155° | 797.8 | 807.7 | 817.5 | 820.1 | 841.3 | 869.6 | 883.7 | 902.9 | 941.4 | 970.3 | 973.4 |
| 157.5° | 818.2 | 827.8 | 837.4 | 839.8 | 854.5 | 873.9 | 883.7 | 898.7 | 928.6 | 951.0 | 953.2 |
| 160° | 832.1 | 839.5 | 847.0 | 848.8 | 860.5 | 876.0 | 883.7 | 896.5 | 922.2 | 941.4 | 942.6 |
| 162.5° | 845.8 | 851.5 | 857.1 | 858.5 | 867.0 | 878.1 | 883.7 | 894.6 | 916.2 | 932.4 | 933.5 |
| 165° | 860.9 | 865.9 | 871.0 | 872.3 | 876.1 | 881.2 | 883.7 | 891.5 | 907.0 | 918.6 | 919.9 |
| 167.5° | 874.7 | 877.1 | 879.6 | 880.1 | 883.3 | 887.6 | 889.7 | 894.8 | 904.9 | 912.6 | 913.1 |
| 170° | 883.7 | 886.2 | 888.6 | 889.2 | 889.3 | 889.6 | 889.7 | 894.8 | 904.9 | 912.6 | 912.6 |
| 172.5° | 888.6 | 889.1 | 889.6 | 889.7 | 889.7 | 889.7 | 889.7 | 893.7 | 901.8 | 907.8 | 907.3 |
| 175° | 895.2 | 895.2 | 895.2 | 895.2 | 893.3 | 890.9 | 889.7 | 892.3 | 897.4 | 901.2 | 901.2 |
| 177.5° | 895.2 | 895.2 | 895.2 | 895.2 | 893.7 | 891.9 | 890.9 | 892.9 | 896.9 | 899.9 | 899.4 |
| 180° | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 | 895.2 |



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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° | 22.9 | 22.9 |
| 92.5° | 91.5 | 73.3 |
| 95° | 318.8 | 263.8 |
| 97.5° | 763.7 | 659.0 |
| 100° | 1100.4 | 975.7 |
| 102.5° | 1431.5 | 1324.7 |
| 105° | 1853.6 | 1796.2 |
| 107.5° | 2130.2 | 2144.1 |
| 110° | 2235.8 | 2295.6 |



TEST NUMBER: P937294

CATALOG NUMBER: SQ4-FB-075U-100D-B2750-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2245.1 | 2336.9 |
| 115° | 2185.6 | 2312.9 |
| 117.5° | 2059.3 | 2200.6 |
| 120° | 1957.7 | 2094.9 |
| 122.5° | 1858.5 | 1993.9 |
| 125° | 1717.3 | 1842.0 |
| 127.5° | 1590.1 | 1695.4 |
| 130° | 1515.2 | 1612.4 |
| 132.5° | 1447.3 | 1534.3 |
| 135° | 1354.2 | 1429.2 |
| 137.5° | 1279.5 | 1340.9 |
| 140° | 1228.3 | 1285.7 |
| 142.5° | 1185.8 | 1235.2 |
| 145° | 1122.1 | 1159.5 |
| 147.5° | 1073.2 | 1104.2 |
| 150° | 1042.5 | 1067.5 |
| 152.5° | 1016.1 | 1035.1 |
| 155° | 986.0 | 998.5 |
| 157.5° | 962.0 | 970.8 |
| 160° | 947.8 | 952.8 |
| 162.5° | 938.4 | 943.2 |
| 165° | 924.9 | 929.9 |
| 167.5° | 915.2 | 917.4 |
| 170° | 912.6 | 912.6 |
| 172.5° | 905.4 | 903.6 |
| 175° | 901.2 | 901.2 |
| 177.5° | 897.3 | 895.2 |
| 180° | 895.2 | 895.2 |



TEST NUMBER: P937294

CATALOG NUMBER: SQ4-FB-075U-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 | 5.68 | 6.60 | 6.62 | 7.56 | 8.80 | 18.86 | 19.78 | 19.80 | 20.74 | 21.98 |
| | 3H | 6.39 | 7.22 | 7.34 | 8.18 | 9.45 | 20.71 | 21.53 | 21.65 | 22.50 | 23.76 |
| | 4H | 6.69 | 7.47 | 7.66 | 8.45 | 9.72 | 21.35 | 22.13 | 22.31 | 23.11 | 24.38 |
| | 6H | 6.95 | 7.67 | 7.92 | 8.64 | 9.94 | 21.79 | 22.51 | 22.76 | 23.48 | 24.77 |
| | 8H | 7.02 | 7.70 | 8.00 | 8.70 | 9.99 | 21.91 | 22.59 | 22.89 | 23.59 | 24.88 |
| | 12H | 7.04 | 7.69 | 8.02 | 8.68 | 9.99 | 21.98 | 22.63 | 22.96 | 23.62 | 24.93 |
| 4H | 2H | 12.91 | 13.68 | 13.87 | 14.66 | 15.93 | 19.14 | 19.92 | 20.11 | 20.89 | 22.17 |
| | 3H | 14.48 | 15.13 | 15.46 | 16.13 | 17.42 | 21.19 | 21.85 | 22.17 | 22.85 | 24.14 |
| | 4H | 14.57 | 15.17 | 15.56 | 16.17 | 17.48 | 21.96 | 22.56 | 22.95 | 23.56 | 24.87 |
| | 6H | 14.59 | 15.11 | 15.59 | 16.12 | 17.44 | 22.51 | 23.02 | 23.50 | 24.04 | 25.35 |
| | 8H | 14.57 | 15.05 | 15.57 | 16.06 | 17.39 | 22.67 | 23.15 | 23.67 | 24.16 | 25.49 |
| | 12H | 14.53 | 14.96 | 15.55 | 15.99 | 17.33 | 22.77 | 23.20 | 23.79 | 24.23 | 25.56 |
| 8H | 4H | 16.02 | 16.51 | 17.03 | 17.52 | 18.85 | 22.03 | 22.51 | 23.03 | 23.52 | 24.85 |
| | 6H | 16.27 | 16.67 | 17.29 | 17.72 | 19.05 | 22.66 | 23.06 | 23.69 | 24.11 | 25.44 |
| | 8H | 16.29 | 16.64 | 17.32 | 17.68 | 19.03 | 22.88 | 23.23 | 23.91 | 24.27 | 25.62 |
| | 12H | 16.26 | 16.57 | 17.30 | 17.60 | 18.99 | 23.03 | 23.34 | 24.07 | 24.37 | 25.76 |
| 12H | 4H | 16.17 | 16.61 | 17.19 | 17.63 | 18.97 | 21.98 | 22.42 | 23.00 | 23.45 | 24.78 |
| | 6H | 16.53 | 16.88 | 17.56 | 17.92 | 19.27 | 22.64 | 23.00 | 23.68 | 24.04 | 25.38 |
| | 8H | 16.60 | 16.91 | 17.64 | 17.95 | 19.33 | 22.88 | 23.19 | 23.91 | 24.22 | 25.61 |