

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: P938100

Luminaire Tested: SQ4-FB-125U-100D-B35-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938100
REPORT IS A COMBINATION OF REPORTS P933615 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-100D-B35-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

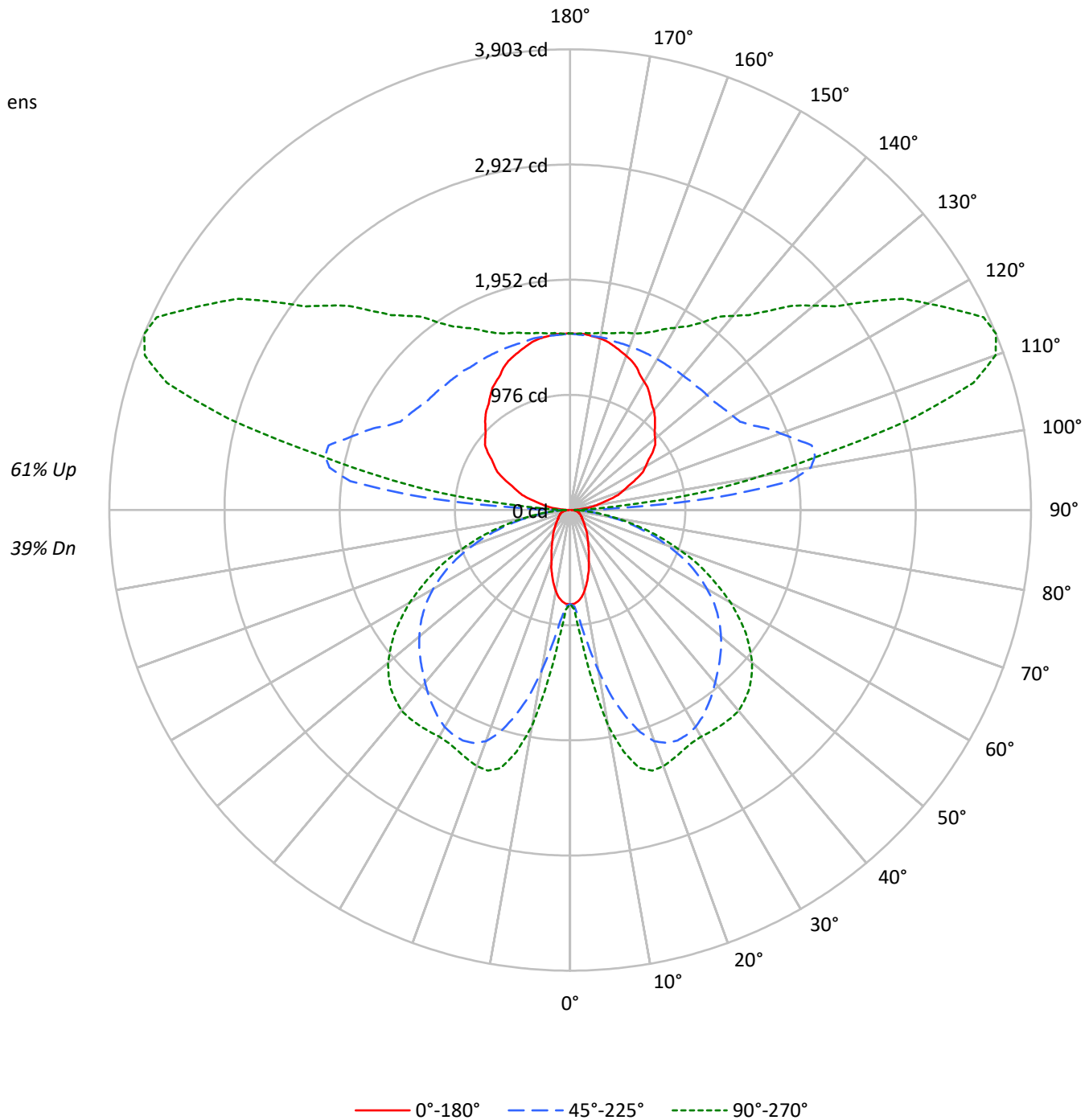
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15858.7 lumens
Efficiency: N/A
Efficacy: 123.1 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): 128.8
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: P938100
CATALOG NUMBER: SQ4-FB-125U-100D-B35-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P938100

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 | | | |
| 1 | 95 | 90 | 86 | 83 | 86 | 82 | 79 | 76 | 67 | 65 | 62 | 53 | 51 | 50 | 40 | 39 | 38 | 32 | | | |
| 2 | 86 | 78 | 72 | 67 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 43 | 41 | 35 | 33 | 31 | 26 | | | |
| 3 | 78 | 68 | 61 | 55 | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 40 | 37 | 34 | 30 | 28 | 26 | 21 | | | |
| 4 | 71 | 60 | 52 | 46 | 64 | 55 | 48 | 42 | 45 | 40 | 35 | 35 | 32 | 29 | 27 | 24 | 22 | 18 | | | |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 41 | 36 | 40 | 34 | 30 | 31 | 27 | 24 | 24 | 21 | 19 | 15 | | | |
| 6 | 60 | 47 | 39 | 33 | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 | | | |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 26 | 23 | 25 | 21 | 18 | 19 | 16 | 14 | 11 | | | |
| 8 | 51 | 38 | 31 | 25 | 46 | 35 | 28 | 23 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 10 | | | |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 | | | |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 19 | 15 | 13 | 15 | 12 | 10 | 8 | | | |

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 | 0.6 |
| 10°-20° | 456.6 | 2.9 |
| 20°-30° | 798.6 | 5.0 |
| 30°-40° | 1028.1 | 6.5 |
| 40°-50° | 1148.3 | 7.2 |
| 50°-60° | 1099.8 | 6.9 |
| 60°-70° | 871.6 | 5.5 |
| 70°-80° | 512.5 | 3.2 |
| 80°-90° | 148.1 | 0.9 |
| 90°-100° | 728.8 | 4.6 |
| 100°-110° | 1916.0 | 12.1 |
| 110°-120° | 1986.7 | 12.5 |
| 120°-130° | 1593.6 | 10.0 |
| 130°-140° | 1250.4 | 7.9 |
| 140°-150° | 959.7 | 6.1 |
| 150°-160° | 691.2 | 4.4 |
| 160°-170° | 422.9 | 2.7 |
| 170°-180° | 142.9 | 0.9 |
| 0°-30° | 1358.2 | 8.6 |
| 0°-40° | 2386.3 | 15.0 |
| 0°-60° | 4634.4 | 29.2 |
| 0°-90° | 6166.6 | 38.9 |
| 90°-120° | 4631.5 | 29.2 |
| 90°-150° | 8435.1 | 53.2 |
| 90°-180° | 9692.0 | 61.1 |
| 0°-180° | 15858.7 | 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° | 10 | 28 | 76 | 38 | 38 | 10 |
| 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: P938100

CATALOG NUMBER: SQ4-FB-125U-100D-B35-1D-UNV-STD-W-8

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° | 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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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 |



TEST NUMBER: P938100

CATALOG NUMBER: SQ4-FB-125U-100D-B35-1D-UNV-STD-W-8

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° | 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 |



TEST NUMBER: P938100

CATALOG NUMBER: SQ4-FB-125U-100D-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: P938100
 CATALOG NUMBER: SQ4-FB-125U-100D-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 | 4.44 | 5.23 | 5.48 | 6.28 | 7.70 | 17.61 | 18.41 | 18.65 | 19.46 | 20.88 |
| | 3H | 5.14 | 5.85 | 6.19 | 6.91 | 8.35 | 19.45 | 20.16 | 20.50 | 21.22 | 22.66 |
| | 4H | 5.43 | 6.11 | 6.49 | 7.17 | 8.62 | 20.09 | 20.77 | 21.15 | 21.83 | 23.28 |
| | 6H | 5.68 | 6.31 | 6.75 | 7.37 | 8.83 | 20.52 | 21.14 | 21.59 | 22.21 | 23.67 |
| | 8H | 5.75 | 6.34 | 6.82 | 7.42 | 8.87 | 20.64 | 21.23 | 21.71 | 22.32 | 23.77 |
| | 12H | 5.76 | 6.33 | 6.84 | 7.40 | 8.88 | 20.70 | 21.27 | 21.78 | 22.35 | 23.82 |
| 4H | 2H | 11.64 | 12.32 | 12.71 | 13.38 | 14.83 | 17.88 | 18.56 | 18.95 | 19.62 | 21.07 |
| | 3H | 13.20 | 13.77 | 14.28 | 14.86 | 16.32 | 19.92 | 20.49 | 21.00 | 21.58 | 23.04 |
| | 4H | 13.30 | 13.82 | 14.38 | 14.90 | 16.38 | 20.68 | 21.21 | 21.77 | 22.29 | 23.76 |
| | 6H | 13.30 | 13.75 | 14.39 | 14.86 | 16.33 | 21.22 | 21.67 | 22.31 | 22.77 | 24.24 |
| | 8H | 13.28 | 13.70 | 14.37 | 14.79 | 16.28 | 21.38 | 21.80 | 22.47 | 22.89 | 24.38 |
| | 12H | 13.23 | 13.61 | 14.34 | 14.72 | 16.21 | 21.47 | 21.85 | 22.58 | 22.96 | 24.45 |
| 8H | 4H | 14.74 | 15.16 | 15.83 | 16.25 | 17.74 | 20.74 | 21.16 | 21.83 | 22.25 | 23.74 |
| | 6H | 14.97 | 15.32 | 16.09 | 16.46 | 17.94 | 21.37 | 21.71 | 22.48 | 22.85 | 24.34 |
| | 8H | 14.99 | 15.30 | 16.11 | 16.41 | 17.92 | 21.58 | 21.89 | 22.70 | 23.01 | 24.51 |
| | 12H | 14.96 | 15.23 | 16.08 | 16.34 | 17.88 | 21.73 | 21.99 | 22.85 | 23.11 | 24.65 |
| 12H | 4H | 14.88 | 15.26 | 15.99 | 16.36 | 17.86 | 20.69 | 21.07 | 21.80 | 22.18 | 23.67 |
| | 6H | 15.23 | 15.54 | 16.35 | 16.66 | 18.16 | 21.35 | 21.65 | 22.47 | 22.77 | 24.28 |
| | 8H | 15.30 | 15.57 | 16.42 | 16.68 | 18.22 | 21.57 | 21.84 | 22.70 | 22.96 | 24.50 |