

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: P936466

Luminaire Tested: SQ4-FB-025U-100D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936466
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-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

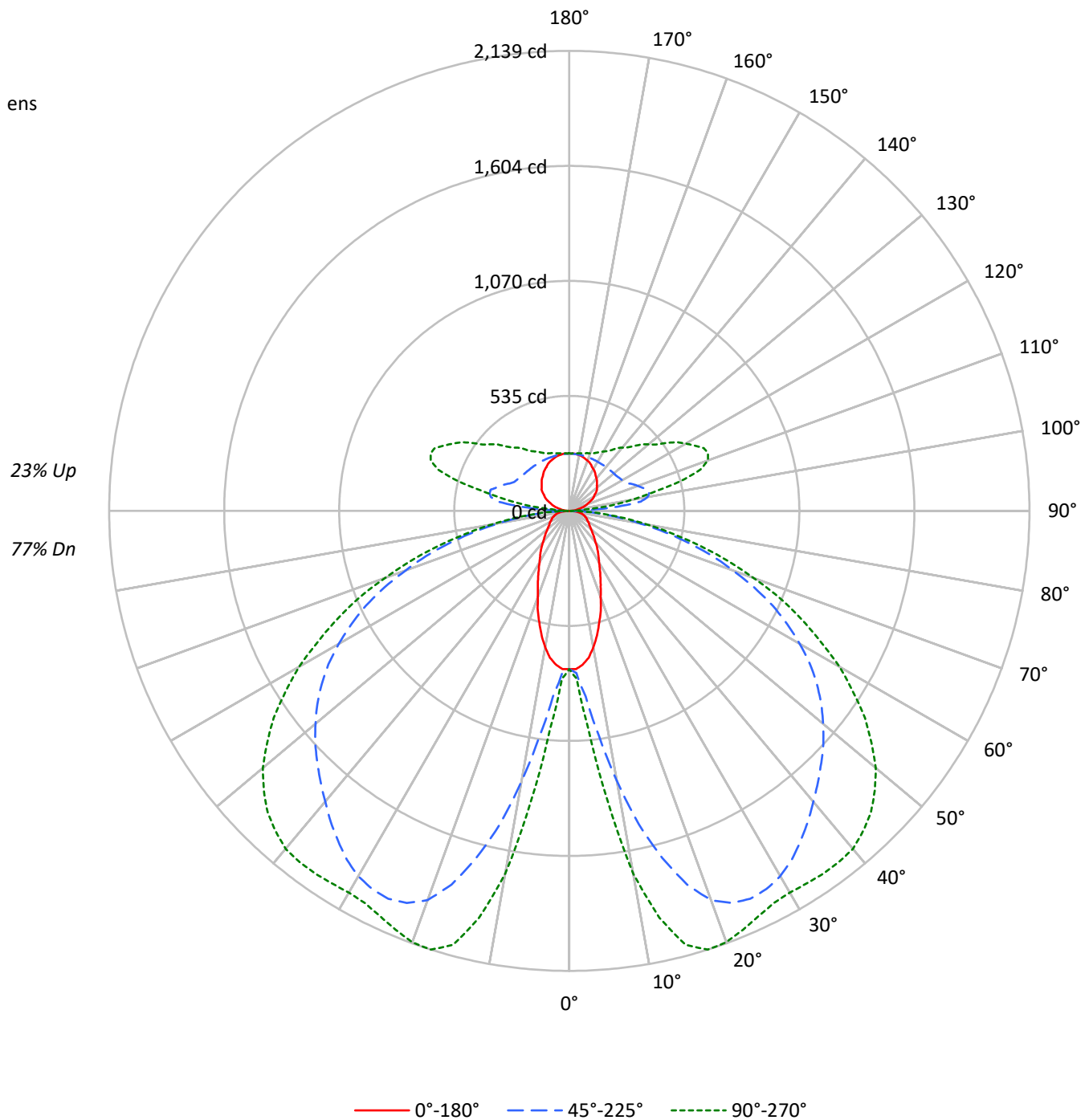
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7425.7 lumens
Efficiency: N/A
Efficacy: 95.7 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-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: P936466
CATALOG NUMBER: SQ4-FB-025U-100D-93050-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P936466

CATALOG NUMBER: SQ4-FB-025U-100D-93050-1D-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° | 3414 | 3414 | 3414 |
| 5° | 3335 | 3946 | 4589 |
| 10° | 3025 | 5752 | 7608 |
| 15° | 2571 | 7515 | 9186 |
| 20° | 2093 | 8708 | 9362 |
| 25° | 1746 | 9113 | 9172 |
| 30° | 1472 | 9170 | 9155 |
| 35° | 1302 | 9018 | 9391 |
| 40° | 1135 | 8820 | 9636 |
| 45° | 1028 | 8675 | 9674 |
| 50° | 942 | 8545 | 9514 |
| 55° | 902 | 8354 | 9092 |
| 60° | 924 | 7987 | 8426 |
| 65° | 961 | 7429 | 7511 |
| 70° | 1024 | 6479 | 6345 |
| 75° | 1136 | 5283 | 4952 |
| 80° | 1240 | 3664 | 3337 |
| 85° | 1099 | 1944 | 1709 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9674 cd/sqm



TEST NUMBER: P936466

CATALOG NUMBER: SQ4-FB-025U-100D-93050-1D-UNV-STD-W-8-3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.2 | 1.3 |
| 10°-20° | 421.9 | 5.7 |
| 20°-30° | 737.9 | 9.9 |
| 30°-40° | 949.9 | 12.8 |
| 40°-50° | 1061.0 | 14.3 |
| 50°-60° | 1016.2 | 13.7 |
| 60°-70° | 805.3 | 10.8 |
| 70°-80° | 473.6 | 6.4 |
| 80°-90° | 132.6 | 1.8 |
| 90°-100° | 130.2 | 1.8 |
| 100°-110° | 342.5 | 4.6 |
| 110°-120° | 355.1 | 4.8 |
| 120°-130° | 284.8 | 3.8 |
| 130°-140° | 223.5 | 3.0 |
| 140°-150° | 171.5 | 2.3 |
| 150°-160° | 123.5 | 1.7 |
| 160°-170° | 75.6 | 1.0 |
| 170°-180° | 25.5 | 0.3 |
| 0°-30° | 1254.9 | 16.9 |
| 0°-40° | 2204.8 | 29.7 |
| 0°-60° | 4282.0 | 57.7 |
| 0°-90° | 5693.4 | 76.7 |
| 90°-120° | 827.8 | 11.1 |
| 90°-150° | 1507.7 | 20.3 |
| 90°-180° | 1732.0 | 23.3 |
| 0°-180° | 7425.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 736 | 736 | 736 | 736 | 736 | |
| 5° | 717 | 769 | 866 | 980 | 1015 | 66 |
| 15° | 537 | 991 | 1670 | 2025 | 2089 | 149 |
| 25° | 343 | 1124 | 1990 | 2077 | 2080 | 158 |
| 35° | 232 | 1074 | 1874 | 1980 | 2058 | 145 |
| 45° | 159 | 856 | 1656 | 1898 | 1983 | 123 |
| 55° | 114 | 544 | 1405 | 1632 | 1678 | 103 |
| 65° | 90 | 289 | 1043 | 1174 | 1190 | 89 |
| 75° | 66 | 178 | 573 | 629 | 632 | 69 |
| 85° | 24 | 54 | 142 | 156 | 159 | 25 |
| 90° | 2 | 5 | 14 | 7 | 7 | 3 |
| 95° | 17 | 67 | 224 | 116 | 79 | 19 |
| 105° | 62 | 94 | 379 | 575 | 536 | 65 |
| 115° | 110 | 133 | 303 | 605 | 690 | 108 |
| 125° | 152 | 171 | 276 | 466 | 550 | 135 |
| 135° | 182 | 200 | 267 | 376 | 427 | 141 |
| 145° | 211 | 224 | 264 | 321 | 346 | 132 |
| 155° | 238 | 245 | 264 | 290 | 298 | 109 |
| 165° | 257 | 260 | 264 | 274 | 278 | 73 |
| 175° | 267 | 267 | 266 | 269 | 269 | 25 |
| 180° | 267 | 267 | 267 | 267 | 267 | |



TEST NUMBER: P936466

CATALOG NUMBER: SQ4-FB-025U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 735.9 | 735.9 | 735.9 | 735.9 | 735.9 | 735.9 | 735.9 | 735.9 | 735.9 | 735.9 | 735.9 |
| 2.5° | 735.9 | 735.9 | 740.6 | 742.9 | 747.7 | 750.0 | 754.7 | 759.5 | 773.7 | 776.1 | 780.8 |
| 5° | 716.9 | 726.4 | 757.2 | 769.0 | 802.1 | 847.1 | 865.9 | 896.7 | 960.6 | 979.6 | 991.4 |
| 7.5° | 688.5 | 709.8 | 785.5 | 804.4 | 887.3 | 1005.5 | 1055.2 | 1121.5 | 1223.3 | 1273.0 | 1313.2 |
| 10° | 643.6 | 688.5 | 823.4 | 868.4 | 1003.2 | 1183.0 | 1275.3 | 1367.6 | 1521.3 | 1590.0 | 1615.9 |
| 12.5° | 593.9 | 667.2 | 863.6 | 925.1 | 1119.1 | 1381.7 | 1492.9 | 1594.7 | 1769.8 | 1862.1 | 1876.2 |
| 15° | 537.1 | 636.5 | 901.5 | 991.4 | 1242.2 | 1547.4 | 1670.4 | 1795.8 | 1959.0 | 2025.3 | 2041.8 |
| 17.5° | 487.4 | 612.8 | 936.9 | 1031.6 | 1336.8 | 1696.4 | 1821.9 | 1925.9 | 2058.4 | 2103.4 | 2115.3 |
| 20° | 425.9 | 575.0 | 960.6 | 1083.6 | 1436.2 | 1805.3 | 1925.9 | 2006.4 | 2096.3 | 2124.7 | 2129.4 |
| 22.5° | 381.0 | 534.7 | 974.8 | 1102.6 | 1502.4 | 1871.6 | 1973.3 | 2037.1 | 2098.7 | 2108.1 | 2110.5 |
| 25° | 343.1 | 489.7 | 972.4 | 1123.9 | 1559.2 | 1911.8 | 1989.8 | 2037.1 | 2072.6 | 2077.4 | 2077.4 |
| 27.5° | 307.5 | 440.0 | 963.0 | 1128.6 | 1601.8 | 1921.3 | 1982.8 | 2015.9 | 2032.4 | 2041.8 | 2041.8 |
| 30° | 276.8 | 392.8 | 939.3 | 1119.1 | 1620.7 | 1911.8 | 1961.4 | 1978.0 | 1994.6 | 2008.7 | 2015.9 |
| 32.5° | 253.2 | 347.8 | 903.8 | 1100.2 | 1623.1 | 1888.1 | 1923.6 | 1933.1 | 1956.7 | 1989.8 | 2001.6 |
| 35° | 231.9 | 302.9 | 863.6 | 1074.2 | 1608.9 | 1850.3 | 1873.9 | 1883.4 | 1930.7 | 1980.3 | 1996.9 |
| 37.5° | 210.6 | 269.8 | 811.5 | 1029.3 | 1587.6 | 1805.3 | 1821.9 | 1838.4 | 1911.8 | 1970.9 | 1989.8 |
| 40° | 189.3 | 241.4 | 750.0 | 979.6 | 1554.4 | 1750.9 | 1765.0 | 1791.1 | 1888.1 | 1956.7 | 1975.6 |
| 42.5° | 172.7 | 217.7 | 683.7 | 927.5 | 1511.9 | 1689.4 | 1710.7 | 1748.5 | 1859.7 | 1933.1 | 1954.4 |
| 45° | 158.6 | 194.0 | 612.8 | 856.5 | 1457.5 | 1625.4 | 1656.2 | 1708.3 | 1826.5 | 1897.5 | 1916.5 |
| 47.5° | 144.3 | 177.5 | 539.4 | 783.1 | 1398.3 | 1561.6 | 1601.8 | 1661.0 | 1781.6 | 1850.3 | 1866.8 |
| 50° | 132.5 | 160.9 | 466.1 | 705.1 | 1334.5 | 1492.9 | 1540.3 | 1601.8 | 1724.8 | 1788.7 | 1810.0 |
| 52.5° | 123.0 | 146.7 | 397.5 | 627.0 | 1261.0 | 1421.9 | 1476.4 | 1540.3 | 1656.2 | 1717.7 | 1731.9 |
| 55° | 113.5 | 134.8 | 338.3 | 544.2 | 1185.4 | 1346.3 | 1405.4 | 1467.0 | 1580.5 | 1632.5 | 1642.0 |
| 57.5° | 108.9 | 125.4 | 288.6 | 466.1 | 1104.9 | 1261.0 | 1327.3 | 1384.2 | 1490.6 | 1530.8 | 1540.3 |
| 60° | 101.7 | 118.3 | 250.8 | 399.8 | 1017.4 | 1180.6 | 1237.4 | 1294.2 | 1384.2 | 1417.3 | 1424.4 |
| 62.5° | 94.6 | 113.5 | 222.4 | 336.0 | 927.5 | 1086.0 | 1142.8 | 1194.9 | 1270.5 | 1294.2 | 1303.7 |
| 65° | 89.9 | 108.9 | 201.1 | 288.6 | 835.2 | 986.6 | 1043.4 | 1088.3 | 1149.8 | 1173.6 | 1178.3 |
| 67.5° | 85.1 | 104.1 | 184.5 | 248.4 | 742.9 | 887.3 | 929.9 | 972.4 | 1019.8 | 1043.4 | 1045.8 |
| 70° | 78.1 | 99.4 | 170.4 | 220.1 | 648.3 | 773.7 | 809.2 | 854.1 | 892.0 | 903.8 | 910.9 |
| 72.5° | 73.3 | 92.3 | 160.9 | 198.8 | 551.2 | 664.9 | 698.0 | 724.0 | 757.2 | 769.0 | 769.0 |
| 75° | 66.3 | 82.8 | 151.4 | 177.5 | 452.0 | 544.2 | 572.6 | 598.6 | 624.7 | 629.4 | 622.2 |
| 77.5° | 59.2 | 73.3 | 130.1 | 149.1 | 352.6 | 430.6 | 454.3 | 468.4 | 489.7 | 494.5 | 496.9 |
| 80° | 49.7 | 63.9 | 101.7 | 115.9 | 255.5 | 317.0 | 333.6 | 345.4 | 364.4 | 364.4 | 369.1 |
| 82.5° | 37.9 | 49.7 | 73.3 | 82.8 | 172.7 | 217.7 | 231.9 | 239.0 | 250.8 | 250.8 | 250.8 |
| 85° | 23.6 | 30.8 | 47.4 | 54.4 | 104.1 | 132.5 | 142.0 | 144.3 | 153.8 | 156.1 | 156.1 |
| 87.5° | 11.8 | 16.6 | 30.8 | 33.1 | 54.4 | 68.6 | 68.6 | 73.3 | 73.3 | 71.0 | 68.6 |
| 90° | 1.8 | 3.2 | 4.7 | 5.0 | 7.9 | 11.7 | 13.6 | 12.1 | 9.0 | 6.8 | 6.8 |
| 92.5° | 7.2 | 19.3 | 31.6 | 34.6 | 48.7 | 67.4 | 76.7 | 67.2 | 48.3 | 34.1 | 32.8 |
| 95° | 17.2 | 39.5 | 61.9 | 67.4 | 119.7 | 189.4 | 224.4 | 200.2 | 151.9 | 115.7 | 111.6 |
| 97.5° | 29.8 | 49.5 | 69.1 | 74.0 | 161.2 | 277.5 | 335.7 | 320.5 | 290.0 | 267.1 | 259.3 |
| 100° | 39.5 | 57.3 | 75.1 | 79.6 | 176.4 | 305.4 | 369.9 | 371.1 | 373.3 | 375.0 | 365.7 |
| 102.5° | 47.7 | 64.4 | 81.0 | 85.1 | 183.4 | 314.3 | 379.7 | 399.1 | 438.0 | 467.2 | 459.2 |
| 105° | 61.7 | 75.8 | 90.0 | 93.5 | 188.6 | 315.2 | 378.6 | 422.2 | 509.4 | 574.8 | 570.5 |
| 107.5° | 76.0 | 89.2 | 102.3 | 105.6 | 189.4 | 301.2 | 357.1 | 417.8 | 539.5 | 630.7 | 631.8 |
| 110° | 85.8 | 97.6 | 109.5 | 112.5 | 188.0 | 288.7 | 339.1 | 407.1 | 543.1 | 645.1 | 649.5 |



TEST NUMBER: P936466

CATALOG NUMBER: SQ4-FB-025U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 95.3 | 106.5 | 117.8 | 120.7 | 188.1 | 277.9 | 322.8 | 392.4 | 531.5 | 635.9 | 642.8 |
| 115° | 109.6 | 120.0 | 130.4 | 133.0 | 189.8 | 265.5 | 303.2 | 370.3 | 504.4 | 605.0 | 614.5 |
| 117.5° | 123.7 | 133.2 | 142.7 | 145.1 | 193.4 | 257.7 | 289.8 | 350.3 | 471.3 | 562.1 | 572.6 |
| 120° | 132.0 | 140.9 | 149.9 | 152.1 | 196.3 | 255.1 | 284.4 | 339.7 | 450.3 | 533.2 | 543.4 |
| 122.5° | 140.0 | 149.1 | 158.1 | 160.4 | 200.4 | 253.6 | 280.3 | 330.1 | 429.7 | 504.3 | 514.4 |
| 125° | 152.5 | 160.7 | 168.9 | 170.9 | 205.9 | 252.6 | 275.8 | 318.1 | 402.7 | 466.1 | 475.4 |
| 127.5° | 162.5 | 170.7 | 179.1 | 181.1 | 211.5 | 251.9 | 272.1 | 308.4 | 381.0 | 435.5 | 443.4 |
| 130° | 167.9 | 176.8 | 185.7 | 187.9 | 215.5 | 252.3 | 270.7 | 303.0 | 367.6 | 416.1 | 423.3 |
| 132.5° | 173.4 | 182.4 | 191.2 | 193.5 | 218.8 | 252.6 | 269.4 | 298.3 | 356.2 | 399.6 | 406.1 |
| 135° | 181.7 | 189.8 | 198.0 | 200.0 | 222.4 | 252.3 | 267.3 | 291.5 | 339.9 | 376.3 | 381.9 |
| 137.5° | 190.1 | 198.1 | 206.2 | 208.2 | 227.8 | 253.8 | 266.9 | 287.4 | 328.3 | 359.0 | 363.6 |
| 140° | 197.1 | 204.5 | 211.9 | 213.8 | 231.1 | 254.1 | 265.6 | 283.4 | 318.7 | 345.2 | 349.5 |
| 142.5° | 202.5 | 209.3 | 216.2 | 217.9 | 233.9 | 255.1 | 265.6 | 281.2 | 312.3 | 335.6 | 339.2 |
| 145° | 210.8 | 216.8 | 222.7 | 224.2 | 237.4 | 255.1 | 263.8 | 276.6 | 302.0 | 321.1 | 323.8 |
| 147.5° | 219.0 | 224.8 | 230.6 | 232.1 | 242.6 | 256.8 | 263.8 | 273.9 | 293.8 | 308.8 | 311.1 |
| 150° | 224.4 | 229.6 | 234.8 | 236.2 | 245.4 | 257.7 | 263.8 | 272.3 | 289.2 | 301.8 | 303.7 |
| 152.5° | 229.9 | 233.9 | 237.9 | 238.9 | 247.2 | 258.3 | 263.8 | 271.0 | 285.4 | 296.3 | 297.7 |
| 155° | 238.2 | 241.1 | 244.1 | 244.8 | 251.1 | 259.6 | 263.8 | 269.6 | 281.0 | 289.6 | 290.5 |
| 157.5° | 244.2 | 247.1 | 250.0 | 250.7 | 255.1 | 260.9 | 263.8 | 268.3 | 277.2 | 283.9 | 284.5 |
| 160° | 248.4 | 250.6 | 252.8 | 253.4 | 256.9 | 261.5 | 263.8 | 267.7 | 275.3 | 281.0 | 281.4 |
| 162.5° | 252.5 | 254.2 | 255.8 | 256.2 | 258.7 | 262.1 | 263.8 | 267.1 | 273.5 | 278.4 | 278.7 |
| 165° | 257.0 | 258.6 | 260.1 | 260.4 | 261.6 | 263.1 | 263.8 | 266.2 | 270.7 | 274.2 | 274.6 |
| 167.5° | 261.2 | 261.9 | 262.6 | 262.8 | 263.8 | 265.0 | 265.6 | 267.2 | 270.2 | 272.4 | 272.6 |
| 170° | 263.8 | 264.6 | 265.3 | 265.5 | 265.5 | 265.6 | 265.6 | 267.2 | 270.2 | 272.4 | 272.4 |
| 172.5° | 265.3 | 265.5 | 265.6 | 265.6 | 265.6 | 265.6 | 265.6 | 266.8 | 269.2 | 271.0 | 270.8 |
| 175° | 267.3 | 267.3 | 267.3 | 267.3 | 266.7 | 266.0 | 265.6 | 266.4 | 267.9 | 269.0 | 269.0 |
| 177.5° | 267.3 | 267.3 | 267.3 | 267.3 | 266.8 | 266.3 | 266.0 | 266.6 | 267.8 | 268.7 | 268.5 |
| 180° | 267.3 | 267.3 | 267.3 | 267.3 | 267.3 | 267.3 | 267.3 | 267.3 | 267.3 | 267.3 | 267.3 |



TEST NUMBER: P936466

CATALOG NUMBER: SQ4-FB-025U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 735.9 | 735.9 |
| 2.5° | 785.5 | 780.8 |
| 5° | 1010.3 | 1015.0 |
| 7.5° | 1360.4 | 1358.1 |
| 10° | 1691.7 | 1713.0 |
| 12.5° | 1933.1 | 1937.8 |
| 15° | 2079.7 | 2089.2 |
| 17.5° | 2136.5 | 2138.9 |
| 20° | 2138.9 | 2134.2 |
| 22.5° | 2112.8 | 2108.1 |
| 25° | 2082.1 | 2079.7 |
| 27.5° | 2053.7 | 2056.1 |
| 30° | 2041.8 | 2049.0 |
| 32.5° | 2041.8 | 2053.7 |
| 35° | 2046.6 | 2058.4 |
| 37.5° | 2044.3 | 2058.4 |
| 40° | 2034.8 | 2051.3 |
| 42.5° | 2008.7 | 2020.5 |
| 45° | 1968.5 | 1982.8 |
| 47.5° | 1916.5 | 1925.9 |
| 50° | 1850.3 | 1859.7 |
| 52.5° | 1767.4 | 1769.8 |
| 55° | 1668.1 | 1677.5 |
| 57.5° | 1561.6 | 1563.9 |
| 60° | 1443.2 | 1450.4 |
| 62.5° | 1317.9 | 1317.9 |
| 65° | 1185.4 | 1190.1 |
| 67.5° | 1048.1 | 1060.0 |
| 70° | 908.6 | 910.9 |
| 72.5° | 771.3 | 771.3 |
| 75° | 629.4 | 631.7 |
| 77.5° | 494.5 | 494.5 |
| 80° | 366.7 | 369.1 |
| 82.5° | 253.2 | 257.9 |
| 85° | 158.6 | 158.6 |
| 87.5° | 73.3 | 66.3 |
| 90° | 6.8 | 6.8 |
| 92.5° | 27.3 | 21.8 |
| 95° | 95.2 | 78.7 |
| 97.5° | 227.9 | 196.7 |
| 100° | 328.5 | 291.2 |
| 102.5° | 427.3 | 395.5 |
| 105° | 553.4 | 536.2 |
| 107.5° | 635.9 | 640.1 |
| 110° | 667.4 | 685.3 |



TEST NUMBER: P936466

CATALOG NUMBER: SQ4-FB-025U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 670.2 | 697.6 |
| 115° | 652.5 | 690.5 |
| 117.5° | 614.8 | 657.0 |
| 120° | 584.4 | 625.4 |
| 122.5° | 554.8 | 595.2 |
| 125° | 512.7 | 549.9 |
| 127.5° | 474.7 | 506.1 |
| 130° | 452.3 | 481.3 |
| 132.5° | 432.1 | 458.0 |
| 135° | 404.2 | 426.6 |
| 137.5° | 381.9 | 400.3 |
| 140° | 366.6 | 383.8 |
| 142.5° | 354.0 | 368.7 |
| 145° | 335.0 | 346.1 |
| 147.5° | 320.3 | 329.7 |
| 150° | 311.2 | 318.7 |
| 152.5° | 303.3 | 309.0 |
| 155° | 294.3 | 298.0 |
| 157.5° | 287.2 | 289.8 |
| 160° | 282.9 | 284.4 |
| 162.5° | 280.1 | 281.6 |
| 165° | 276.1 | 277.6 |
| 167.5° | 273.2 | 273.9 |
| 170° | 272.4 | 272.4 |
| 172.5° | 270.3 | 269.8 |
| 175° | 269.0 | 269.0 |
| 177.5° | 267.9 | 267.3 |
| 180° | 267.3 | 267.3 |



TEST NUMBER: P936466

CATALOG NUMBER: SQ4-FB-025U-100D-93050-1D-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 | 7.40 | 8.64 | 8.08 | 9.34 | 10.17 | 20.58 | 21.81 | 21.26 | 22.52 | 23.35 |
| | 3H | 8.13 | 9.25 | 8.83 | 9.96 | 10.82 | 22.45 | 23.56 | 23.14 | 24.28 | 25.14 |
| | 4H | 8.45 | 9.50 | 9.16 | 10.23 | 11.10 | 23.11 | 24.16 | 23.82 | 24.89 | 25.76 |
| | 6H | 8.72 | 9.69 | 9.44 | 10.43 | 11.32 | 23.56 | 24.53 | 24.28 | 25.27 | 26.16 |
| | 8H | 8.80 | 9.73 | 9.53 | 10.48 | 11.37 | 23.69 | 24.62 | 24.43 | 25.38 | 26.27 |
| | 12H | 8.83 | 9.72 | 9.57 | 10.47 | 11.39 | 23.77 | 24.66 | 24.51 | 25.41 | 26.33 |
| 4H | 2H | 14.66 | 15.71 | 15.38 | 16.44 | 17.31 | 20.90 | 21.95 | 21.61 | 22.68 | 23.55 |
| | 3H | 16.26 | 17.15 | 16.99 | 17.91 | 18.80 | 22.98 | 23.86 | 23.71 | 24.62 | 25.52 |
| | 4H | 16.37 | 17.18 | 17.12 | 17.94 | 18.86 | 23.76 | 24.57 | 24.51 | 25.33 | 26.25 |
| | 6H | 16.41 | 17.11 | 17.17 | 17.90 | 18.82 | 24.32 | 25.02 | 25.09 | 25.81 | 26.74 |
| | 8H | 16.39 | 17.05 | 17.16 | 17.83 | 18.77 | 24.49 | 25.15 | 25.26 | 25.94 | 26.88 |
| | 12H | 16.37 | 16.96 | 17.16 | 17.77 | 18.71 | 24.61 | 25.20 | 25.40 | 26.01 | 26.95 |
| 8H | 4H | 17.85 | 18.51 | 18.62 | 19.29 | 20.23 | 23.85 | 24.51 | 24.62 | 25.29 | 26.23 |
| | 6H | 18.11 | 18.66 | 18.91 | 19.48 | 20.42 | 24.50 | 25.05 | 25.30 | 25.87 | 26.81 |
| | 8H | 18.13 | 18.62 | 18.94 | 19.44 | 20.40 | 24.72 | 25.21 | 25.53 | 26.04 | 26.99 |
| | 12H | 18.12 | 18.55 | 18.93 | 19.36 | 20.38 | 24.89 | 25.32 | 25.70 | 26.13 | 27.15 |
| 12H | 4H | 18.01 | 18.60 | 18.80 | 19.41 | 20.36 | 23.82 | 24.42 | 24.61 | 25.22 | 26.17 |
| | 6H | 18.37 | 18.86 | 19.18 | 19.69 | 20.64 | 24.49 | 24.98 | 25.30 | 25.80 | 26.76 |
| | 8H | 18.46 | 18.89 | 19.27 | 19.71 | 20.72 | 24.74 | 25.17 | 25.55 | 25.98 | 27.00 |