

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: P937007

Luminaire Tested: SQ4-FB-050U-125D-B50-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937007
REPORT IS A COMBINATION OF REPORTS P933480 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-125D-B50-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

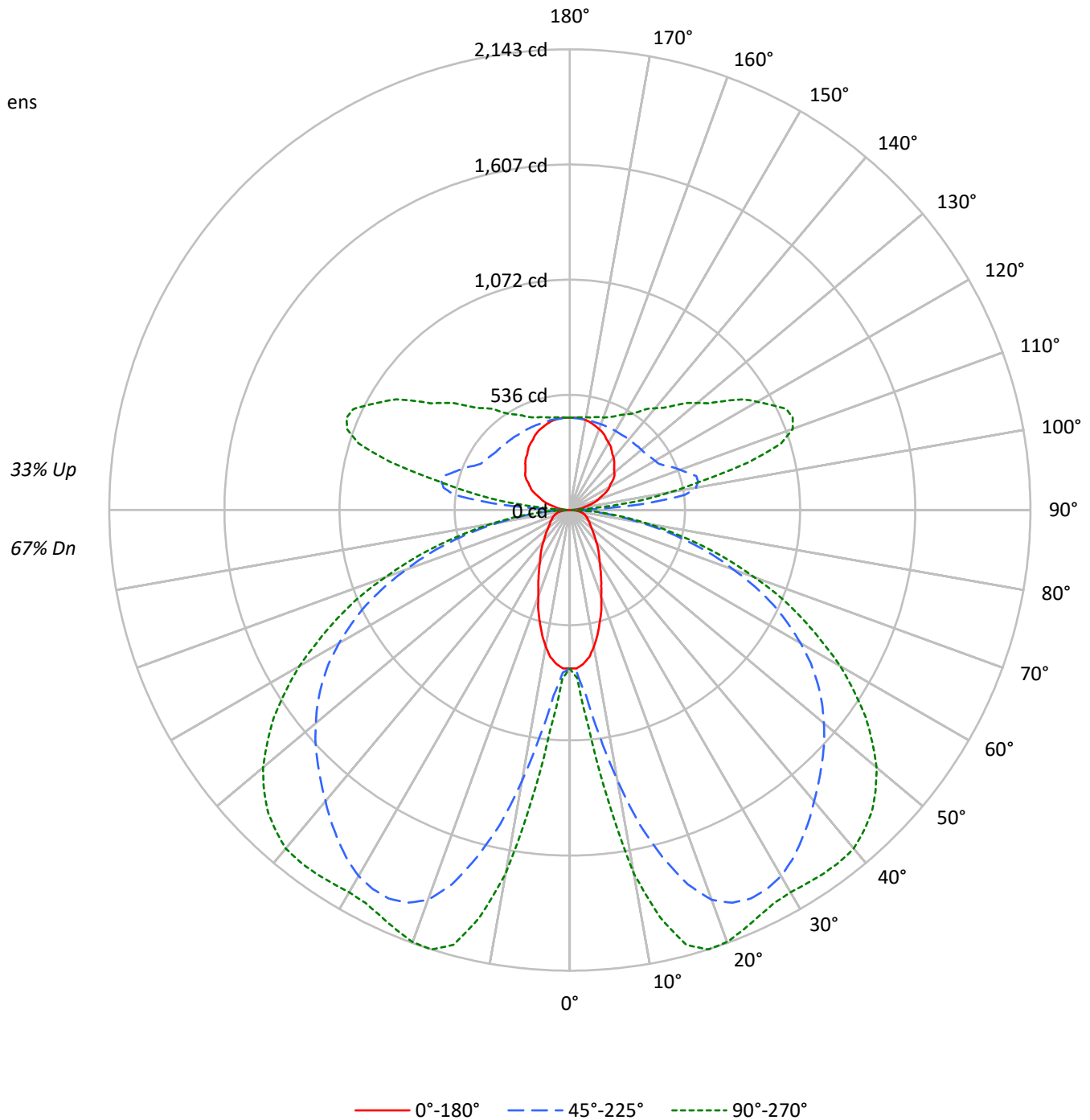
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8494.7 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84
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: P937007
CATALOG NUMBER: SQ4-FB-050U-125D-B50-1D-UNV-STD-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P937007

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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 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 | 82 | 82 | 82 | 72 | 72 | 72 | 67 | 67 | 67 | 67 |
| 1 | 101 | 96 | 92 | 88 | 95 | 91 | 87 | 83 | 80 | 78 | 75 | 71 | 69 | 67 | 62 | 61 | 59 | 55 | 55 | 55 | 55 |
| 2 | 91 | 83 | 76 | 71 | 86 | 78 | 72 | 67 | 70 | 65 | 61 | 61 | 58 | 55 | 54 | 51 | 49 | 45 | 45 | 45 | 45 |
| 3 | 83 | 72 | 64 | 58 | 77 | 68 | 61 | 55 | 61 | 55 | 50 | 54 | 49 | 45 | 47 | 44 | 41 | 37 | 37 | 37 | 37 |
| 4 | 75 | 64 | 55 | 48 | 70 | 60 | 52 | 46 | 53 | 47 | 42 | 47 | 42 | 38 | 42 | 38 | 34 | 31 | 31 | 31 | 31 |
| 5 | 69 | 56 | 47 | 41 | 64 | 53 | 45 | 39 | 47 | 41 | 36 | 42 | 37 | 32 | 37 | 33 | 29 | 26 | 26 | 26 | 26 |
| 6 | 63 | 50 | 41 | 35 | 59 | 47 | 39 | 34 | 42 | 36 | 31 | 38 | 32 | 28 | 33 | 29 | 25 | 23 | 23 | 23 | 23 |
| 7 | 58 | 45 | 36 | 30 | 55 | 43 | 35 | 29 | 38 | 32 | 27 | 34 | 29 | 24 | 30 | 26 | 22 | 20 | 20 | 20 | 20 |
| 8 | 54 | 41 | 32 | 27 | 51 | 39 | 31 | 26 | 35 | 28 | 24 | 31 | 26 | 22 | 27 | 23 | 20 | 17 | 17 | 17 | 17 |
| 9 | 50 | 37 | 29 | 24 | 47 | 35 | 28 | 23 | 32 | 25 | 21 | 28 | 23 | 19 | 25 | 21 | 17 | 15 | 15 | 15 | 15 |
| 10 | 47 | 34 | 26 | 21 | 44 | 32 | 25 | 20 | 29 | 23 | 19 | 26 | 21 | 17 | 23 | 19 | 16 | 14 | 14 | 14 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4561 | 4561 | 4561 |
| 5° | 4454 | 5270 | 6131 |
| 10° | 4039 | 7681 | 10164 |
| 15° | 3432 | 10033 | 12274 |
| 20° | 2792 | 11623 | 12508 |
| 25° | 2329 | 12160 | 12254 |
| 30° | 1963 | 12234 | 12231 |
| 35° | 1735 | 12027 | 12547 |
| 40° | 1511 | 11760 | 12874 |
| 45° | 1367 | 11563 | 12924 |
| 50° | 1252 | 11385 | 12710 |
| 55° | 1199 | 11127 | 12147 |
| 60° | 1225 | 10634 | 11257 |
| 65° | 1273 | 9885 | 10035 |
| 70° | 1354 | 8615 | 8478 |
| 75° | 1494 | 7019 | 6616 |
| 80° | 1621 | 4862 | 4458 |
| 85° | 1413 | 2574 | 2282 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12924 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.4 | 1.1 |
| 10°-20° | 422.7 | 5.0 |
| 20°-30° | 739.4 | 8.7 |
| 30°-40° | 951.8 | 11.2 |
| 40°-50° | 1063.1 | 12.5 |
| 50°-60° | 1018.2 | 12.0 |
| 60°-70° | 807.0 | 9.5 |
| 70°-80° | 474.5 | 5.6 |
| 80°-90° | 133.5 | 1.6 |
| 90°-100° | 209.7 | 2.5 |
| 100°-110° | 551.4 | 6.5 |
| 110°-120° | 571.7 | 6.7 |
| 120°-130° | 458.6 | 5.4 |
| 130°-140° | 359.8 | 4.2 |
| 140°-150° | 276.2 | 3.3 |
| 150°-160° | 198.9 | 2.3 |
| 160°-170° | 121.7 | 1.4 |
| 170°-180° | 41.1 | 0.5 |
| 0°-30° | 1257.5 | 14.8 |
| 0°-40° | 2209.3 | 26.0 |
| 0°-60° | 4290.6 | 50.5 |
| 0°-90° | 5705.6 | 67.2 |
| 90°-120° | 1332.8 | 15.7 |
| 90°-150° | 2427.4 | 28.6 |
| 90°-180° | 2789.0 | 32.8 |
| 0°-180° | 8494.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 737 | 737 | 737 | 737 | 737 | |
| 5° | 718 | 771 | 868 | 982 | 1017 | 66 |
| 15° | 538 | 993 | 1674 | 2029 | 2094 | 150 |
| 25° | 344 | 1126 | 1994 | 2082 | 2084 | 158 |
| 35° | 232 | 1076 | 1878 | 1984 | 2063 | 145 |
| 45° | 159 | 858 | 1660 | 1901 | 1987 | 123 |
| 55° | 114 | 545 | 1408 | 1636 | 1681 | 104 |
| 65° | 90 | 289 | 1046 | 1176 | 1192 | 89 |
| 75° | 66 | 178 | 574 | 631 | 633 | 70 |
| 85° | 24 | 54 | 142 | 156 | 159 | 25 |
| 90° | 3 | 8 | 22 | 11 | 11 | 4 |
| 95° | 28 | 108 | 361 | 186 | 127 | 31 |
| 105° | 99 | 150 | 610 | 926 | 863 | 105 |
| 115° | 176 | 214 | 488 | 974 | 1112 | 174 |
| 125° | 246 | 275 | 444 | 750 | 885 | 218 |
| 135° | 292 | 322 | 430 | 606 | 687 | 226 |
| 145° | 339 | 361 | 425 | 517 | 557 | 213 |
| 155° | 384 | 394 | 425 | 466 | 480 | 176 |
| 165° | 414 | 419 | 425 | 442 | 447 | 117 |
| 175° | 430 | 430 | 428 | 433 | 433 | 41 |
| 180° | 430 | 430 | 430 | 430 | 430 | |



TEST NUMBER: P937007

CATALOG NUMBER: SQ4-FB-050U-125D-B50-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 | 737.3 |
| 2.5° | 737.3 | 737.3 | 742.1 | 744.4 | 749.2 | 751.6 | 756.3 | 761.0 | 775.2 | 777.6 | 782.4 |
| 5° | 718.3 | 727.9 | 758.7 | 770.6 | 803.7 | 848.7 | 867.7 | 898.5 | 962.6 | 981.5 | 993.4 |
| 7.5° | 689.9 | 711.2 | 787.1 | 806.0 | 889.1 | 1007.6 | 1057.4 | 1123.8 | 1225.7 | 1275.5 | 1315.8 |
| 10° | 644.8 | 689.9 | 825.0 | 870.1 | 1005.3 | 1185.4 | 1277.9 | 1370.4 | 1524.5 | 1593.2 | 1619.3 |
| 12.5° | 595.1 | 668.6 | 865.4 | 927.0 | 1121.4 | 1384.6 | 1496.0 | 1597.9 | 1773.4 | 1865.9 | 1880.0 |
| 15° | 538.2 | 637.7 | 903.3 | 993.4 | 1244.6 | 1550.5 | 1673.8 | 1799.4 | 1963.1 | 2029.4 | 2046.0 |
| 17.5° | 488.4 | 614.0 | 938.9 | 1033.7 | 1339.5 | 1699.9 | 1825.5 | 1929.8 | 2062.6 | 2107.7 | 2119.5 |
| 20° | 426.7 | 576.1 | 962.6 | 1085.9 | 1439.1 | 1809.0 | 1929.8 | 2010.4 | 2100.6 | 2129.0 | 2133.7 |
| 22.5° | 381.7 | 535.8 | 976.8 | 1104.8 | 1505.5 | 1875.3 | 1977.3 | 2041.3 | 2102.9 | 2112.4 | 2114.8 |
| 25° | 343.8 | 490.7 | 974.4 | 1126.1 | 1562.4 | 1915.6 | 1993.9 | 2041.3 | 2076.8 | 2081.6 | 2081.6 |
| 27.5° | 308.2 | 440.9 | 964.9 | 1130.9 | 1605.1 | 1925.1 | 1986.7 | 2020.0 | 2036.5 | 2046.0 | 2046.0 |
| 30° | 277.4 | 393.6 | 941.2 | 1121.4 | 1624.0 | 1915.6 | 1965.4 | 1982.0 | 1998.6 | 2012.9 | 2020.0 |
| 32.5° | 253.7 | 348.5 | 905.6 | 1102.4 | 1626.4 | 1891.9 | 1927.5 | 1936.9 | 1960.7 | 1993.9 | 2005.7 |
| 35° | 232.4 | 303.5 | 865.4 | 1076.3 | 1612.2 | 1854.0 | 1877.7 | 1887.1 | 1934.6 | 1984.4 | 2001.0 |
| 37.5° | 211.0 | 270.3 | 813.2 | 1031.3 | 1590.8 | 1809.0 | 1825.5 | 1842.1 | 1915.6 | 1974.8 | 1993.9 |
| 40° | 189.7 | 241.8 | 751.6 | 981.5 | 1557.6 | 1754.4 | 1768.6 | 1794.7 | 1891.9 | 1960.7 | 1979.6 |
| 42.5° | 173.1 | 218.1 | 685.2 | 929.3 | 1514.9 | 1692.8 | 1714.1 | 1752.0 | 1863.4 | 1936.9 | 1958.3 |
| 45° | 158.9 | 194.4 | 614.0 | 858.3 | 1460.4 | 1628.7 | 1659.5 | 1711.7 | 1830.3 | 1901.4 | 1920.4 |
| 47.5° | 144.6 | 177.8 | 540.5 | 784.7 | 1401.2 | 1564.7 | 1605.1 | 1664.3 | 1785.2 | 1854.0 | 1870.6 |
| 50° | 132.7 | 161.2 | 467.1 | 706.5 | 1337.1 | 1496.0 | 1543.4 | 1605.1 | 1728.4 | 1792.3 | 1813.6 |
| 52.5° | 123.3 | 147.0 | 398.3 | 628.3 | 1263.6 | 1424.8 | 1479.4 | 1543.4 | 1659.5 | 1721.2 | 1735.5 |
| 55° | 113.8 | 135.1 | 339.0 | 545.3 | 1187.8 | 1349.0 | 1408.3 | 1469.9 | 1583.7 | 1635.9 | 1645.3 |
| 57.5° | 109.1 | 125.6 | 289.3 | 467.1 | 1107.2 | 1263.6 | 1330.0 | 1386.9 | 1493.7 | 1533.9 | 1543.4 |
| 60° | 101.9 | 118.5 | 251.3 | 400.7 | 1019.5 | 1183.0 | 1240.0 | 1296.9 | 1386.9 | 1420.1 | 1427.2 |
| 62.5° | 94.8 | 113.8 | 222.9 | 336.6 | 929.3 | 1088.2 | 1145.1 | 1197.3 | 1273.1 | 1296.9 | 1306.3 |
| 65° | 90.1 | 109.1 | 201.6 | 289.3 | 836.9 | 988.6 | 1045.5 | 1090.5 | 1152.2 | 1175.9 | 1180.7 |
| 67.5° | 85.4 | 104.3 | 184.9 | 248.9 | 744.4 | 889.1 | 931.8 | 974.4 | 1021.8 | 1045.5 | 1047.9 |
| 70° | 78.3 | 99.6 | 170.7 | 220.5 | 649.6 | 775.2 | 810.8 | 855.8 | 893.8 | 905.6 | 912.8 |
| 72.5° | 73.5 | 92.5 | 161.2 | 199.1 | 552.4 | 666.2 | 699.4 | 725.4 | 758.7 | 770.6 | 770.6 |
| 75° | 66.4 | 82.9 | 151.8 | 177.8 | 452.8 | 545.3 | 573.8 | 599.8 | 625.9 | 630.6 | 623.5 |
| 77.5° | 59.3 | 73.5 | 130.4 | 149.3 | 353.2 | 431.5 | 455.2 | 469.4 | 490.7 | 495.5 | 497.9 |
| 80° | 49.8 | 64.0 | 101.9 | 116.2 | 256.0 | 317.7 | 334.3 | 346.1 | 365.1 | 365.1 | 369.9 |
| 82.5° | 37.9 | 49.8 | 73.5 | 82.9 | 173.1 | 218.1 | 232.4 | 239.5 | 251.3 | 251.3 | 251.3 |
| 85° | 23.7 | 30.8 | 47.4 | 54.5 | 104.3 | 132.7 | 142.2 | 144.6 | 154.1 | 156.4 | 156.4 |
| 87.5° | 11.9 | 16.6 | 30.8 | 33.2 | 54.5 | 68.7 | 68.7 | 73.5 | 73.5 | 71.2 | 68.7 |
| 90° | 2.9 | 5.2 | 7.6 | 8.1 | 12.7 | 18.9 | 21.9 | 19.5 | 14.6 | 10.9 | 10.9 |
| 92.5° | 11.6 | 31.2 | 50.8 | 55.8 | 78.4 | 108.5 | 123.6 | 108.3 | 77.7 | 54.8 | 52.7 |
| 95° | 27.7 | 63.6 | 99.6 | 108.5 | 192.8 | 305.1 | 361.3 | 322.4 | 244.6 | 186.2 | 179.6 |
| 97.5° | 47.9 | 79.7 | 111.3 | 119.3 | 259.7 | 447.0 | 540.6 | 516.0 | 466.8 | 429.9 | 417.3 |
| 100° | 63.5 | 92.3 | 121.0 | 128.2 | 284.0 | 491.8 | 595.7 | 597.5 | 601.1 | 603.8 | 588.9 |
| 102.5° | 76.8 | 103.7 | 130.5 | 137.2 | 295.2 | 505.9 | 611.3 | 642.6 | 705.3 | 752.2 | 739.4 |
| 105° | 99.4 | 122.1 | 144.8 | 150.5 | 303.5 | 507.5 | 609.5 | 679.8 | 820.1 | 925.5 | 918.6 |
| 107.5° | 122.4 | 143.6 | 164.8 | 170.1 | 305.0 | 484.9 | 574.9 | 672.8 | 868.6 | 1015.5 | 1017.2 |
| 110° | 138.0 | 157.1 | 176.2 | 181.0 | 302.7 | 464.9 | 546.0 | 655.5 | 874.5 | 1038.7 | 1045.9 |



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CATALOG NUMBER: SQ4-FB-050U-125D-B50-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 112.5° | 153.4 | 171.6 | 189.8 | 194.4 | 302.8 | 447.5 | 519.8 | 631.9 | 855.9 | 1023.9 | 1035.0 |
| 115° | 176.4 | 193.2 | 210.1 | 214.3 | 305.6 | 427.4 | 488.3 | 596.3 | 812.1 | 974.0 | 989.3 |
| 117.5° | 199.2 | 214.5 | 229.8 | 233.6 | 311.3 | 414.9 | 466.6 | 564.0 | 758.9 | 905.0 | 922.0 |
| 120° | 212.5 | 226.9 | 241.3 | 244.9 | 315.9 | 410.6 | 457.9 | 547.0 | 725.0 | 858.4 | 875.0 |
| 122.5° | 225.6 | 240.0 | 254.5 | 258.2 | 322.5 | 408.3 | 451.3 | 531.4 | 691.8 | 812.0 | 828.3 |
| 125° | 245.5 | 258.6 | 271.9 | 275.2 | 331.5 | 406.6 | 444.1 | 512.2 | 648.4 | 750.5 | 765.4 |
| 127.5° | 261.6 | 275.0 | 288.3 | 291.7 | 340.4 | 405.5 | 438.0 | 496.5 | 613.4 | 701.1 | 713.7 |
| 130° | 270.3 | 284.7 | 299.1 | 302.6 | 347.0 | 406.1 | 435.7 | 487.7 | 591.9 | 670.0 | 681.6 |
| 132.5° | 279.3 | 293.6 | 308.0 | 311.6 | 352.3 | 406.6 | 433.7 | 480.4 | 573.5 | 643.3 | 653.8 |
| 135° | 292.5 | 305.6 | 318.7 | 321.9 | 358.1 | 406.2 | 430.3 | 469.3 | 547.3 | 605.8 | 614.9 |
| 137.5° | 306.1 | 319.1 | 331.9 | 335.2 | 366.7 | 408.6 | 429.6 | 462.6 | 528.6 | 578.1 | 585.4 |
| 140° | 317.4 | 329.3 | 341.2 | 344.2 | 372.0 | 409.1 | 427.7 | 456.2 | 513.1 | 555.8 | 562.7 |
| 142.5° | 326.0 | 337.0 | 348.0 | 350.8 | 376.4 | 410.6 | 427.7 | 452.7 | 502.7 | 540.2 | 546.2 |
| 145° | 339.3 | 348.9 | 358.6 | 361.0 | 382.3 | 410.6 | 424.8 | 445.2 | 486.1 | 516.9 | 521.4 |
| 147.5° | 352.6 | 361.9 | 371.4 | 373.7 | 390.7 | 413.4 | 424.8 | 440.8 | 473.1 | 497.3 | 501.0 |
| 150° | 361.3 | 369.8 | 378.2 | 380.3 | 395.2 | 414.9 | 424.8 | 438.4 | 465.6 | 486.0 | 488.9 |
| 152.5° | 370.1 | 376.6 | 383.0 | 384.6 | 398.0 | 415.8 | 424.8 | 436.4 | 459.6 | 477.0 | 479.2 |
| 155° | 383.5 | 388.3 | 392.9 | 394.1 | 404.3 | 418.0 | 424.8 | 434.0 | 452.5 | 466.3 | 467.8 |
| 157.5° | 393.3 | 397.9 | 402.6 | 403.7 | 410.7 | 420.1 | 424.8 | 432.0 | 446.4 | 457.1 | 458.1 |
| 160° | 399.9 | 403.5 | 407.0 | 408.0 | 413.6 | 421.0 | 424.8 | 430.9 | 443.3 | 452.5 | 453.1 |
| 162.5° | 406.6 | 409.3 | 412.0 | 412.6 | 416.7 | 422.1 | 424.8 | 430.0 | 440.4 | 448.1 | 448.7 |
| 165° | 413.8 | 416.2 | 418.6 | 419.3 | 421.1 | 423.6 | 424.8 | 428.5 | 435.9 | 441.5 | 442.2 |
| 167.5° | 420.4 | 421.5 | 422.7 | 423.0 | 424.6 | 426.7 | 427.7 | 430.1 | 435.0 | 438.6 | 438.9 |
| 170° | 424.8 | 425.9 | 427.1 | 427.4 | 427.5 | 427.6 | 427.7 | 430.1 | 435.0 | 438.6 | 438.6 |
| 172.5° | 427.1 | 427.4 | 427.6 | 427.7 | 427.7 | 427.7 | 427.7 | 429.5 | 433.4 | 436.3 | 436.1 |
| 175° | 430.3 | 430.3 | 430.3 | 430.3 | 429.5 | 428.2 | 427.7 | 428.9 | 431.3 | 433.1 | 433.1 |
| 177.5° | 430.3 | 430.3 | 430.3 | 430.3 | 429.6 | 428.7 | 428.2 | 429.2 | 431.1 | 432.5 | 432.3 |
| 180° | 430.3 | 430.3 | 430.3 | 430.3 | 430.3 | 430.3 | 430.3 | 430.3 | 430.3 | 430.3 | 430.3 |



TEST NUMBER: P937007

CATALOG NUMBER: SQ4-FB-050U-125D-B50-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 737.3 | 737.3 |
| 2.5° | 787.1 | 782.4 |
| 5° | 1012.4 | 1017.1 |
| 7.5° | 1363.3 | 1360.8 |
| 10° | 1695.1 | 1716.5 |
| 12.5° | 1936.9 | 1941.7 |
| 15° | 2083.9 | 2093.5 |
| 17.5° | 2140.8 | 2143.2 |
| 20° | 2143.2 | 2138.5 |
| 22.5° | 2117.1 | 2112.4 |
| 25° | 2086.3 | 2083.9 |
| 27.5° | 2057.9 | 2060.2 |
| 30° | 2046.0 | 2053.1 |
| 32.5° | 2046.0 | 2057.9 |
| 35° | 2050.8 | 2062.6 |
| 37.5° | 2048.4 | 2062.6 |
| 40° | 2038.9 | 2055.5 |
| 42.5° | 2012.9 | 2024.7 |
| 45° | 1972.5 | 1986.7 |
| 47.5° | 1920.4 | 1929.8 |
| 50° | 1854.0 | 1863.4 |
| 52.5° | 1771.0 | 1773.4 |
| 55° | 1671.4 | 1680.9 |
| 57.5° | 1564.7 | 1567.1 |
| 60° | 1446.2 | 1453.3 |
| 62.5° | 1320.6 | 1320.6 |
| 65° | 1187.8 | 1192.5 |
| 67.5° | 1050.3 | 1062.1 |
| 70° | 910.4 | 912.8 |
| 72.5° | 772.9 | 772.9 |
| 75° | 630.6 | 633.0 |
| 77.5° | 495.5 | 495.5 |
| 80° | 367.4 | 369.9 |
| 82.5° | 253.7 | 258.4 |
| 85° | 158.9 | 158.9 |
| 87.5° | 73.5 | 66.4 |
| 90° | 10.9 | 10.9 |
| 92.5° | 43.9 | 35.2 |
| 95° | 153.2 | 126.7 |
| 97.5° | 367.1 | 316.8 |
| 100° | 528.9 | 469.0 |
| 102.5° | 688.1 | 636.7 |
| 105° | 891.0 | 863.4 |
| 107.5° | 1023.9 | 1030.6 |
| 110° | 1074.6 | 1103.3 |



TEST NUMBER: P937007

CATALOG NUMBER: SQ4-FB-050U-125D-B50-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1079.1 | 1123.2 |
| 115° | 1050.5 | 1111.7 |
| 117.5° | 989.9 | 1057.8 |
| 120° | 940.9 | 1006.9 |
| 122.5° | 893.4 | 958.4 |
| 125° | 825.4 | 885.3 |
| 127.5° | 764.3 | 814.9 |
| 130° | 728.3 | 775.0 |
| 132.5° | 695.6 | 737.5 |
| 135° | 650.9 | 687.0 |
| 137.5° | 615.0 | 644.6 |
| 140° | 590.3 | 617.9 |
| 142.5° | 569.9 | 593.7 |
| 145° | 539.4 | 557.3 |
| 147.5° | 515.8 | 530.7 |
| 150° | 501.1 | 513.1 |
| 152.5° | 488.4 | 497.5 |
| 155° | 473.9 | 479.9 |
| 157.5° | 462.4 | 466.6 |
| 160° | 455.5 | 457.9 |
| 162.5° | 451.0 | 453.4 |
| 165° | 444.6 | 447.0 |
| 167.5° | 439.9 | 440.9 |
| 170° | 438.6 | 438.6 |
| 172.5° | 435.2 | 434.3 |
| 175° | 433.1 | 433.1 |
| 177.5° | 431.3 | 430.3 |
| 180° | 430.3 | 430.3 |



TEST NUMBER: P937007
 CATALOG NUMBER: SQ4-FB-050U-125D-B50-1D-UNV-STD-W-6

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 | 7.70 | 8.80 | 8.49 | 9.61 | 10.61 | 20.87 | 21.96 | 21.65 | 22.78 | 23.78 |
| | 3H | 8.42 | 9.41 | 9.22 | 10.24 | 11.26 | 22.72 | 23.71 | 23.52 | 24.53 | 25.56 |
| | 4H | 8.73 | 9.67 | 9.55 | 10.50 | 11.54 | 23.37 | 24.30 | 24.18 | 25.14 | 26.18 |
| | 6H | 9.00 | 9.86 | 9.82 | 10.70 | 11.75 | 23.81 | 24.67 | 24.64 | 25.51 | 26.57 |
| | 8H | 9.07 | 9.90 | 9.91 | 10.76 | 11.81 | 23.93 | 24.76 | 24.77 | 25.62 | 26.67 |
| | 12H | 9.10 | 9.88 | 9.94 | 10.74 | 11.82 | 24.01 | 24.79 | 24.85 | 25.65 | 26.73 |
| 4H | 2H | 14.94 | 15.87 | 15.75 | 16.70 | 17.74 | 21.17 | 22.10 | 21.99 | 22.94 | 23.97 |
| | 3H | 16.52 | 17.31 | 17.36 | 18.18 | 19.23 | 23.23 | 24.02 | 24.06 | 24.88 | 25.94 |
| | 4H | 16.63 | 17.35 | 17.48 | 18.21 | 19.29 | 24.00 | 24.72 | 24.85 | 25.58 | 26.67 |
| | 6H | 16.65 | 17.28 | 17.52 | 18.16 | 19.25 | 24.55 | 25.17 | 25.41 | 26.06 | 27.15 |
| | 8H | 16.64 | 17.22 | 17.50 | 18.10 | 19.20 | 24.72 | 25.30 | 25.58 | 26.18 | 27.28 |
| | 12H | 16.61 | 17.13 | 17.49 | 18.03 | 19.14 | 24.82 | 25.35 | 25.71 | 26.25 | 27.35 |
| 8H | 4H | 18.09 | 18.67 | 18.96 | 19.56 | 20.66 | 24.08 | 24.67 | 24.95 | 25.55 | 26.65 |
| | 6H | 18.34 | 18.83 | 19.24 | 19.75 | 20.85 | 24.72 | 25.20 | 25.61 | 26.13 | 27.23 |
| | 8H | 18.37 | 18.80 | 19.27 | 19.71 | 20.83 | 24.94 | 25.37 | 25.85 | 26.29 | 27.40 |
| | 12H | 18.35 | 18.72 | 19.25 | 19.63 | 20.80 | 25.09 | 25.47 | 26.00 | 26.38 | 27.55 |
| 12H | 4H | 18.25 | 18.77 | 19.13 | 19.67 | 20.78 | 24.05 | 24.57 | 24.94 | 25.48 | 26.58 |
| | 6H | 18.61 | 19.04 | 19.51 | 19.95 | 21.07 | 24.71 | 25.14 | 25.61 | 26.05 | 27.17 |
| | 8H | 18.69 | 19.07 | 19.59 | 19.97 | 21.14 | 24.95 | 25.32 | 25.85 | 26.23 | 27.40 |