

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: P938382

Luminaire Tested: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938382
REPORT IS A COMBINATION OF REPORTS P933630 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

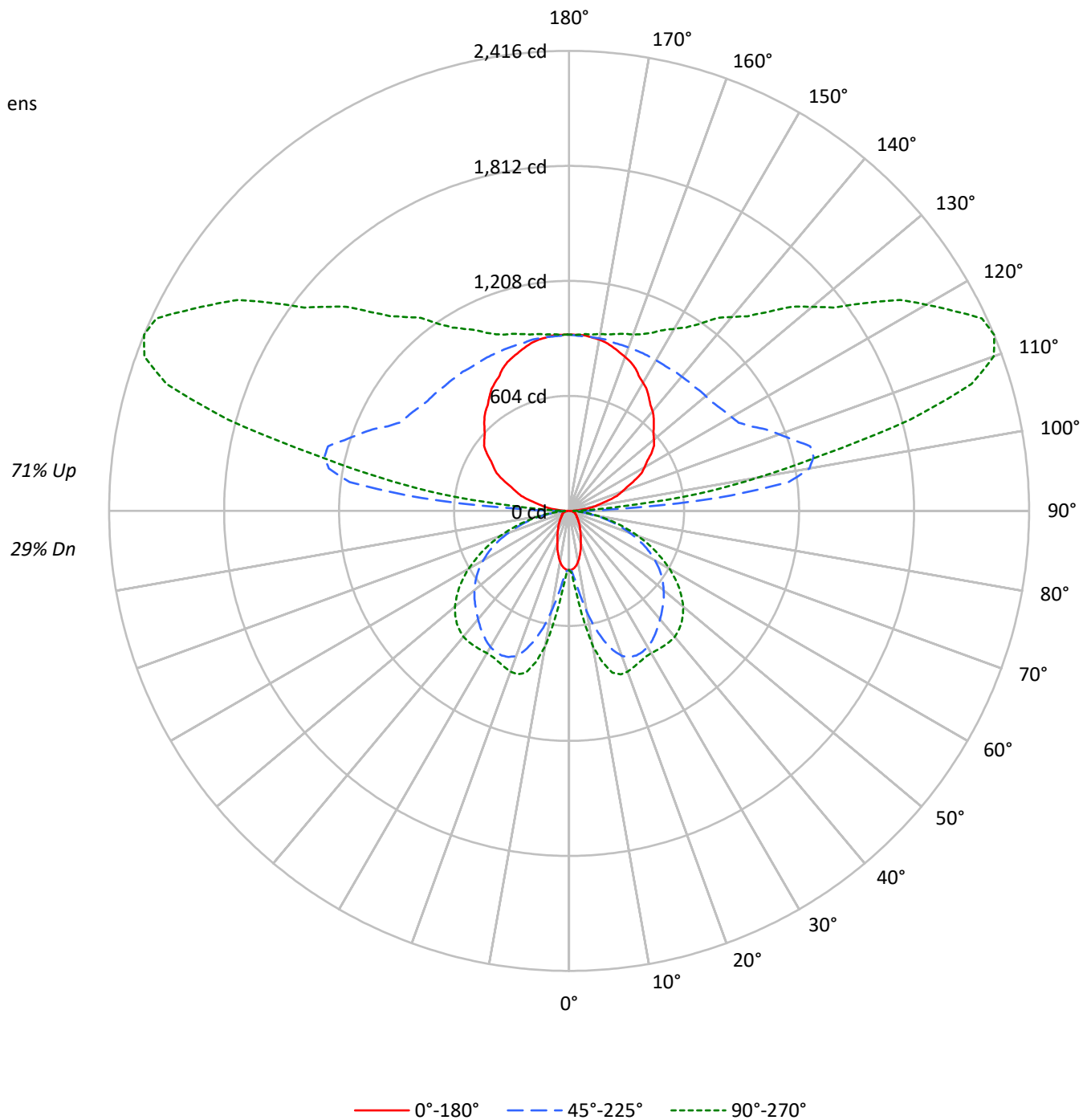
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8400.2 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 63.6
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: P938382
CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P938382

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K

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 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 29 |
| 1 | 93 | 88 | 84 | 81 | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 45 | 43 | 32 | 31 | 30 | 23 |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 59 | 54 | 50 | 47 | 40 | 38 | 36 | 27 | 26 | 25 | 19 |
| 3 | 76 | 67 | 60 | 54 | 68 | 60 | 54 | 49 | 47 | 43 | 39 | 35 | 32 | 30 | 24 | 22 | 21 | 16 |
| 4 | 70 | 59 | 51 | 45 | 62 | 53 | 46 | 41 | 42 | 37 | 33 | 31 | 28 | 25 | 21 | 19 | 17 | 13 |
| 5 | 64 | 52 | 44 | 38 | 57 | 47 | 40 | 35 | 37 | 32 | 28 | 28 | 24 | 21 | 19 | 17 | 15 | 11 |
| 6 | 58 | 47 | 39 | 33 | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 25 | 21 | 18 | 17 | 15 | 13 | 10 |
| 7 | 54 | 42 | 34 | 28 | 48 | 38 | 31 | 26 | 30 | 25 | 21 | 22 | 19 | 16 | 15 | 13 | 11 | 8 |
| 8 | 50 | 38 | 30 | 25 | 44 | 34 | 27 | 23 | 27 | 22 | 18 | 20 | 17 | 14 | 14 | 12 | 10 | 7 |
| 9 | 46 | 34 | 27 | 22 | 41 | 31 | 24 | 20 | 24 | 20 | 16 | 18 | 15 | 12 | 13 | 10 | 9 | 6 |
| 10 | 43 | 31 | 24 | 19 | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 17 | 13 | 11 | 12 | 9 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2875 | 2875 | 2875 |
| 5° | 2805 | 3319 | 3864 |
| 10° | 2541 | 4835 | 6405 |
| 15° | 2158 | 6313 | 7734 |
| 20° | 1755 | 7310 | 7882 |
| 25° | 1461 | 7644 | 7722 |
| 30° | 1231 | 7687 | 7707 |
| 35° | 1087 | 7552 | 7907 |
| 40° | 946 | 7381 | 8112 |
| 45° | 854 | 7253 | 8144 |
| 50° | 782 | 7136 | 8010 |
| 55° | 747 | 6968 | 7655 |
| 60° | 761 | 6653 | 7093 |
| 65° | 788 | 6178 | 6324 |
| 70° | 835 | 5377 | 5343 |
| 75° | 915 | 4373 | 4169 |
| 80° | 978 | 3021 | 2810 |
| 85° | 828 | 1596 | 1437 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8144 cd/sqm



TEST NUMBER: P938382

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.1 | 0.5 |
| 10°-20° | 177.6 | 2.1 |
| 20°-30° | 310.6 | 3.7 |
| 30°-40° | 399.9 | 4.8 |
| 40°-50° | 446.6 | 5.3 |
| 50°-60° | 427.8 | 5.1 |
| 60°-70° | 339.0 | 4.0 |
| 70°-80° | 199.3 | 2.4 |
| 80°-90° | 58.9 | 0.7 |
| 90°-100° | 451.2 | 5.4 |
| 100°-110° | 1186.2 | 14.1 |
| 110°-120° | 1230.0 | 14.6 |
| 120°-130° | 986.6 | 11.7 |
| 130°-140° | 774.1 | 9.2 |
| 140°-150° | 594.2 | 7.1 |
| 150°-160° | 427.9 | 5.1 |
| 160°-170° | 261.8 | 3.1 |
| 170°-180° | 88.5 | 1.1 |
| 0°-30° | 528.3 | 6.3 |
| 0°-40° | 928.1 | 11.0 |
| 0°-60° | 1802.5 | 21.5 |
| 0°-90° | 2399.8 | 28.6 |
| 90°-120° | 2867.4 | 34.1 |
| 90°-150° | 5222.2 | 62.2 |
| 90°-180° | 6000.0 | 71.4 |
| 0°-180° | 8400.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 310 | 310 | 310 | 310 | 310 | |
| 5° | 302 | 324 | 364 | 412 | 427 | 28 |
| 15° | 226 | 417 | 703 | 853 | 880 | 63 |
| 25° | 144 | 473 | 838 | 874 | 876 | 67 |
| 35° | 98 | 452 | 789 | 834 | 866 | 61 |
| 45° | 67 | 361 | 697 | 799 | 835 | 52 |
| 55° | 48 | 229 | 592 | 687 | 706 | 44 |
| 65° | 38 | 122 | 439 | 494 | 501 | 38 |
| 75° | 28 | 75 | 241 | 265 | 266 | 29 |
| 85° | 10 | 23 | 60 | 66 | 67 | 11 |
| 90° | 6 | 17 | 47 | 24 | 24 | 6 |
| 95° | 60 | 234 | 777 | 401 | 273 | 66 |
| 105° | 214 | 324 | 1311 | 1991 | 1857 | 227 |
| 115° | 380 | 461 | 1050 | 2095 | 2392 | 375 |
| 125° | 528 | 592 | 956 | 1614 | 1905 | 469 |
| 135° | 629 | 693 | 926 | 1303 | 1478 | 487 |
| 145° | 730 | 776 | 914 | 1112 | 1199 | 457 |
| 155° | 825 | 848 | 914 | 1003 | 1032 | 379 |
| 165° | 890 | 902 | 914 | 950 | 962 | 251 |
| 175° | 926 | 926 | 920 | 932 | 932 | 88 |
| 180° | 926 | 926 | 926 | 926 | 926 | |



TEST NUMBER: P938382

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 309.8 | 309.8 | 309.8 | 309.8 | 309.8 | 309.8 | 309.8 | 309.8 | 309.8 | 309.8 | 309.8 |
| 2.5° | 309.8 | 309.8 | 311.7 | 312.7 | 314.7 | 315.7 | 317.7 | 319.7 | 325.7 | 326.7 | 328.7 |
| 5° | 301.8 | 305.8 | 318.7 | 323.7 | 337.6 | 356.6 | 364.5 | 377.5 | 404.4 | 412.3 | 417.3 |
| 7.5° | 289.8 | 298.8 | 330.7 | 338.6 | 373.5 | 423.3 | 444.2 | 472.1 | 514.9 | 535.8 | 552.8 |
| 10° | 270.9 | 289.8 | 346.6 | 365.5 | 422.3 | 498.0 | 536.8 | 575.7 | 640.4 | 669.3 | 680.3 |
| 12.5° | 250.0 | 280.9 | 363.5 | 389.4 | 471.1 | 581.7 | 628.5 | 671.3 | 745.0 | 783.9 | 789.8 |
| 15° | 226.1 | 267.9 | 379.5 | 417.3 | 522.9 | 651.4 | 703.2 | 756.0 | 824.7 | 852.6 | 859.5 |
| 17.5° | 205.2 | 258.0 | 394.4 | 434.3 | 562.7 | 714.1 | 766.9 | 810.7 | 866.5 | 885.4 | 890.4 |
| 20° | 179.3 | 242.0 | 404.4 | 456.2 | 604.6 | 759.9 | 810.7 | 844.6 | 882.5 | 894.4 | 896.4 |
| 22.5° | 160.4 | 225.1 | 410.4 | 464.1 | 632.5 | 787.8 | 830.7 | 857.6 | 883.5 | 887.4 | 888.4 |
| 25° | 144.4 | 206.2 | 409.4 | 473.1 | 656.4 | 804.8 | 837.6 | 857.6 | 872.5 | 874.5 | 874.5 |
| 27.5° | 129.5 | 185.3 | 405.4 | 475.1 | 674.3 | 808.8 | 834.6 | 848.6 | 855.6 | 859.5 | 859.5 |
| 30° | 116.5 | 165.3 | 395.4 | 471.1 | 682.3 | 804.8 | 825.7 | 832.7 | 839.6 | 845.6 | 848.6 |
| 32.5° | 106.6 | 146.4 | 380.5 | 463.1 | 683.3 | 794.8 | 809.7 | 813.7 | 823.7 | 837.6 | 842.6 |
| 35° | 97.6 | 127.5 | 363.5 | 452.2 | 677.3 | 778.9 | 788.8 | 792.8 | 812.7 | 833.7 | 840.6 |
| 37.5° | 88.6 | 113.5 | 341.6 | 433.3 | 668.3 | 759.9 | 766.9 | 773.9 | 804.8 | 829.7 | 837.6 |
| 40° | 79.7 | 101.6 | 315.7 | 412.3 | 654.4 | 737.0 | 743.0 | 754.0 | 794.8 | 823.7 | 831.7 |
| 42.5° | 72.7 | 91.6 | 287.8 | 390.4 | 636.4 | 711.1 | 720.1 | 736.0 | 782.9 | 813.7 | 822.7 |
| 45° | 66.7 | 81.7 | 258.0 | 360.6 | 613.5 | 684.3 | 697.2 | 719.1 | 768.9 | 798.8 | 806.8 |
| 47.5° | 60.8 | 74.7 | 227.1 | 329.7 | 588.6 | 657.4 | 674.3 | 699.2 | 750.0 | 778.9 | 785.8 |
| 50° | 55.8 | 67.7 | 196.2 | 296.8 | 561.7 | 628.5 | 648.4 | 674.3 | 726.1 | 753.0 | 761.9 |
| 52.5° | 51.8 | 61.8 | 167.3 | 263.9 | 530.9 | 598.6 | 621.5 | 648.4 | 697.2 | 723.1 | 729.1 |
| 55° | 47.8 | 56.8 | 142.4 | 229.1 | 499.0 | 566.7 | 591.6 | 617.5 | 665.3 | 687.2 | 691.2 |
| 57.5° | 45.8 | 52.8 | 121.5 | 196.2 | 465.1 | 530.9 | 558.8 | 582.7 | 627.5 | 644.4 | 648.4 |
| 60° | 42.8 | 49.8 | 105.6 | 168.3 | 428.3 | 497.0 | 520.9 | 544.8 | 582.7 | 596.6 | 599.6 |
| 62.5° | 39.8 | 47.8 | 93.6 | 141.4 | 390.4 | 457.2 | 481.1 | 503.0 | 534.9 | 544.8 | 548.8 |
| 65° | 37.8 | 45.8 | 84.7 | 121.5 | 351.6 | 415.3 | 439.2 | 458.2 | 484.1 | 494.0 | 496.0 |
| 67.5° | 35.9 | 43.8 | 77.7 | 104.6 | 312.7 | 373.5 | 391.4 | 409.4 | 429.3 | 439.2 | 440.2 |
| 70° | 32.9 | 41.8 | 71.7 | 92.6 | 272.9 | 325.7 | 340.6 | 359.6 | 375.5 | 380.5 | 383.5 |
| 72.5° | 30.9 | 38.8 | 67.7 | 83.7 | 232.1 | 279.9 | 293.8 | 304.8 | 318.7 | 323.7 | 323.7 |
| 75° | 27.9 | 34.9 | 63.7 | 74.7 | 190.2 | 229.1 | 241.0 | 252.0 | 262.9 | 264.9 | 261.9 |
| 77.5° | 24.9 | 30.9 | 54.8 | 62.7 | 148.4 | 181.3 | 191.2 | 197.2 | 206.2 | 208.2 | 209.2 |
| 80° | 20.9 | 26.9 | 42.8 | 48.8 | 107.6 | 133.5 | 140.4 | 145.4 | 153.4 | 153.4 | 155.4 |
| 82.5° | 15.9 | 20.9 | 30.9 | 34.9 | 72.7 | 91.6 | 97.6 | 100.6 | 105.6 | 105.6 | 105.6 |
| 85° | 10.0 | 12.9 | 19.9 | 22.9 | 43.8 | 55.8 | 59.8 | 60.8 | 64.7 | 65.7 | 65.7 |
| 87.5° | 5.0 | 7.0 | 12.9 | 13.9 | 22.9 | 28.9 | 28.9 | 30.9 | 30.9 | 29.9 | 28.9 |
| 90° | 6.2 | 11.2 | 16.1 | 17.4 | 27.4 | 40.6 | 47.2 | 41.9 | 31.5 | 23.6 | 23.6 |
| 92.5° | 24.8 | 67.0 | 109.4 | 119.9 | 168.5 | 233.4 | 265.8 | 233.0 | 167.3 | 118.0 | 113.3 |
| 95° | 59.7 | 137.0 | 214.2 | 233.6 | 414.7 | 656.4 | 777.2 | 693.5 | 526.2 | 400.7 | 386.4 |
| 97.5° | 103.1 | 171.3 | 239.5 | 256.6 | 558.7 | 961.5 | 1162.9 | 1110.0 | 1004.3 | 925.0 | 897.9 |
| 100° | 136.7 | 198.5 | 260.4 | 275.8 | 611.0 | 1058.1 | 1281.6 | 1285.4 | 1293.2 | 1299.0 | 1266.7 |
| 102.5° | 165.2 | 223.0 | 280.7 | 295.1 | 635.1 | 1088.4 | 1315.1 | 1382.4 | 1517.2 | 1618.3 | 1590.7 |
| 105° | 213.7 | 262.6 | 311.4 | 323.7 | 652.9 | 1091.8 | 1311.3 | 1462.3 | 1764.4 | 1991.0 | 1976.2 |
| 107.5° | 263.4 | 309.0 | 354.6 | 365.9 | 656.3 | 1043.3 | 1236.8 | 1447.5 | 1868.8 | 2184.8 | 2188.4 |
| 110° | 296.9 | 338.0 | 379.3 | 389.5 | 651.3 | 1000.2 | 1174.7 | 1410.2 | 1881.2 | 2234.5 | 2250.0 |



TEST NUMBER: P938382

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 329.9 | 369.1 | 408.4 | 418.1 | 651.5 | 962.6 | 1118.2 | 1359.2 | 1841.3 | 2202.9 | 2226.6 |
| 115° | 379.6 | 415.7 | 451.9 | 460.9 | 657.5 | 919.5 | 1050.5 | 1282.6 | 1747.1 | 2095.4 | 2128.4 |
| 117.5° | 428.7 | 461.5 | 494.4 | 502.6 | 669.7 | 892.5 | 1003.9 | 1213.4 | 1632.5 | 1946.9 | 1983.4 |
| 120° | 457.2 | 488.1 | 519.0 | 526.8 | 679.6 | 883.4 | 985.2 | 1176.7 | 1559.6 | 1846.9 | 1882.3 |
| 122.5° | 485.2 | 516.3 | 547.6 | 555.4 | 693.9 | 878.7 | 971.0 | 1143.4 | 1488.2 | 1746.9 | 1781.8 |
| 125° | 528.1 | 556.5 | 585.0 | 592.0 | 713.1 | 874.7 | 955.5 | 1101.9 | 1394.8 | 1614.5 | 1646.8 |
| 127.5° | 562.8 | 591.5 | 620.2 | 627.4 | 732.4 | 872.4 | 942.4 | 1068.2 | 1319.7 | 1508.3 | 1535.5 |
| 130° | 581.5 | 612.3 | 643.2 | 651.0 | 746.5 | 873.8 | 937.4 | 1049.4 | 1273.3 | 1441.2 | 1466.3 |
| 132.5° | 600.7 | 631.7 | 662.5 | 670.3 | 757.9 | 874.7 | 933.1 | 1033.3 | 1233.7 | 1384.0 | 1406.6 |
| 135° | 629.3 | 657.5 | 685.5 | 692.6 | 770.3 | 873.8 | 925.6 | 1009.5 | 1177.4 | 1303.3 | 1322.7 |
| 137.5° | 658.5 | 686.3 | 714.2 | 721.2 | 788.9 | 879.3 | 924.4 | 995.3 | 1137.2 | 1243.7 | 1259.5 |
| 140° | 682.8 | 708.5 | 734.2 | 740.5 | 800.4 | 880.2 | 920.0 | 981.3 | 1103.9 | 1195.8 | 1210.6 |
| 142.5° | 701.4 | 725.1 | 748.8 | 754.8 | 809.8 | 883.3 | 920.0 | 973.9 | 1081.6 | 1162.3 | 1175.1 |
| 145° | 730.0 | 750.7 | 771.3 | 776.5 | 822.3 | 883.4 | 913.8 | 957.9 | 1045.9 | 1111.9 | 1121.6 |
| 147.5° | 758.5 | 778.7 | 798.8 | 803.9 | 840.5 | 889.4 | 913.8 | 948.5 | 1017.7 | 1069.7 | 1077.7 |
| 150° | 777.2 | 795.4 | 813.5 | 818.1 | 850.0 | 892.5 | 913.8 | 943.1 | 1001.6 | 1045.5 | 1052.0 |
| 152.5° | 796.4 | 810.2 | 824.0 | 827.5 | 856.3 | 894.6 | 913.8 | 938.8 | 988.8 | 1026.3 | 1031.2 |
| 155° | 825.0 | 835.2 | 845.4 | 848.0 | 869.9 | 899.2 | 913.8 | 933.8 | 973.5 | 1003.3 | 1006.6 |
| 157.5° | 846.1 | 856.1 | 865.9 | 868.4 | 883.6 | 903.8 | 913.8 | 929.3 | 960.1 | 983.4 | 985.6 |
| 160° | 860.3 | 868.1 | 875.9 | 877.8 | 889.8 | 905.9 | 913.8 | 927.1 | 953.6 | 973.4 | 974.7 |
| 162.5° | 874.7 | 880.5 | 886.2 | 887.7 | 896.4 | 908.1 | 913.8 | 925.0 | 947.4 | 964.1 | 965.3 |
| 165° | 890.2 | 895.4 | 900.7 | 902.0 | 906.0 | 911.2 | 913.8 | 921.8 | 937.8 | 949.8 | 951.1 |
| 167.5° | 904.5 | 907.0 | 909.4 | 910.0 | 913.3 | 917.8 | 920.0 | 925.3 | 935.7 | 943.6 | 944.2 |
| 170° | 913.8 | 916.3 | 918.8 | 919.4 | 919.6 | 919.9 | 920.0 | 925.3 | 935.7 | 943.6 | 943.6 |
| 172.5° | 918.8 | 919.3 | 919.9 | 920.0 | 920.0 | 920.0 | 920.0 | 924.2 | 932.5 | 938.6 | 938.1 |
| 175° | 925.6 | 925.6 | 925.6 | 925.6 | 923.7 | 921.2 | 920.0 | 922.6 | 927.9 | 931.9 | 931.9 |
| 177.5° | 925.6 | 925.6 | 925.6 | 925.6 | 924.2 | 922.3 | 921.3 | 923.4 | 927.5 | 930.6 | 930.0 |
| 180° | 925.6 | 925.6 | 925.6 | 925.6 | 925.6 | 925.6 | 925.6 | 925.6 | 925.6 | 925.6 | 925.6 |



TEST NUMBER: P938382

CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 309.8 | 309.8 |
| 2.5° | 330.7 | 328.7 |
| 5° | 425.3 | 427.3 |
| 7.5° | 572.7 | 571.7 |
| 10° | 712.1 | 721.1 |
| 12.5° | 813.7 | 815.7 |
| 15° | 875.5 | 879.5 |
| 17.5° | 899.4 | 900.4 |
| 20° | 900.4 | 898.4 |
| 22.5° | 889.4 | 887.4 |
| 25° | 876.5 | 875.5 |
| 27.5° | 864.5 | 865.5 |
| 30° | 859.5 | 862.5 |
| 32.5° | 859.5 | 864.5 |
| 35° | 861.5 | 866.5 |
| 37.5° | 860.5 | 866.5 |
| 40° | 856.6 | 863.5 |
| 42.5° | 845.6 | 850.6 |
| 45° | 828.7 | 834.6 |
| 47.5° | 806.8 | 810.7 |
| 50° | 778.9 | 782.9 |
| 52.5° | 744.0 | 745.0 |
| 55° | 702.2 | 706.2 |
| 57.5° | 657.4 | 658.4 |
| 60° | 607.6 | 610.5 |
| 62.5° | 554.8 | 554.8 |
| 65° | 499.0 | 501.0 |
| 67.5° | 441.2 | 446.2 |
| 70° | 382.5 | 383.5 |
| 72.5° | 324.7 | 324.7 |
| 75° | 264.9 | 265.9 |
| 77.5° | 208.2 | 208.2 |
| 80° | 154.4 | 155.4 |
| 82.5° | 106.6 | 108.6 |
| 85° | 66.7 | 66.7 |
| 87.5° | 30.9 | 27.9 |
| 90° | 23.6 | 23.6 |
| 92.5° | 94.5 | 75.8 |
| 95° | 329.6 | 272.7 |
| 97.5° | 789.7 | 681.5 |
| 100° | 1137.8 | 1008.8 |
| 102.5° | 1480.3 | 1369.8 |
| 105° | 1916.8 | 1857.4 |
| 107.5° | 2202.8 | 2217.1 |
| 110° | 2311.8 | 2373.7 |



TEST NUMBER: P938382
CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2321.6 | 2416.5 |
| 115° | 2260.0 | 2391.7 |
| 117.5° | 2129.4 | 2275.5 |
| 120° | 2024.3 | 2166.2 |
| 122.5° | 1921.9 | 2061.8 |
| 125° | 1775.7 | 1904.7 |
| 127.5° | 1644.3 | 1753.1 |
| 130° | 1566.8 | 1667.3 |
| 132.5° | 1496.5 | 1586.5 |
| 135° | 1400.3 | 1477.9 |
| 137.5° | 1323.1 | 1386.5 |
| 140° | 1270.0 | 1329.4 |
| 142.5° | 1226.2 | 1277.2 |
| 145° | 1160.3 | 1199.0 |
| 147.5° | 1109.7 | 1141.8 |
| 150° | 1078.0 | 1103.9 |
| 152.5° | 1050.8 | 1070.3 |
| 155° | 1019.5 | 1032.5 |
| 157.5° | 994.7 | 1003.9 |
| 160° | 980.0 | 985.2 |
| 162.5° | 970.3 | 975.3 |
| 165° | 956.4 | 961.6 |
| 167.5° | 946.4 | 948.6 |
| 170° | 943.6 | 943.6 |
| 172.5° | 936.2 | 934.3 |
| 175° | 931.9 | 931.9 |
| 177.5° | 927.8 | 925.6 |
| 180° | 925.6 | 925.6 |



TEST NUMBER: P938382
 CATALOG NUMBER: SQ4-FB-150U-075D-B2750-1D-UNV-STD-W-4-2700K

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 | 2.27 | 2.99 | 3.39 | 4.10 | 5.65 | 15.41 | 16.12 | 16.52 | 17.24 | 18.78 |
| | 3H | 2.96 | 3.61 | 4.09 | 4.73 | 6.29 | 17.22 | 17.86 | 18.35 | 18.99 | 20.55 |
| | 4H | 3.26 | 3.87 | 4.39 | 4.99 | 6.56 | 17.85 | 18.46 | 18.98 | 19.58 | 21.15 |
| | 6H | 3.50 | 4.06 | 4.64 | 5.19 | 6.77 | 18.26 | 18.82 | 19.40 | 19.95 | 21.53 |
| | 8H | 3.56 | 4.10 | 4.71 | 5.24 | 6.81 | 18.37 | 18.91 | 19.52 | 20.05 | 21.62 |
| | 12H | 3.58 | 4.08 | 4.73 | 5.22 | 6.81 | 18.43 | 18.93 | 19.58 | 20.07 | 21.66 |
| 4H | 2H | 9.44 | 10.05 | 10.58 | 11.18 | 12.74 | 15.67 | 16.28 | 16.81 | 17.40 | 18.97 |
| | 3H | 11.00 | 11.51 | 12.15 | 12.66 | 14.24 | 17.68 | 18.19 | 18.83 | 19.34 | 20.92 |
| | 4H | 11.09 | 11.56 | 12.24 | 12.69 | 14.29 | 18.43 | 18.90 | 19.58 | 20.04 | 21.64 |
| | 6H | 11.09 | 11.49 | 12.25 | 12.65 | 14.24 | 18.95 | 19.35 | 20.11 | 20.52 | 22.10 |
| | 8H | 11.06 | 11.44 | 12.22 | 12.59 | 14.20 | 19.10 | 19.48 | 20.26 | 20.63 | 22.24 |
| | 12H | 11.01 | 11.35 | 12.18 | 12.52 | 14.13 | 19.18 | 19.52 | 20.35 | 20.69 | 22.30 |
| 8H | 4H | 12.51 | 12.89 | 13.66 | 14.04 | 15.64 | 18.48 | 18.86 | 19.64 | 20.01 | 21.62 |
| | 6H | 12.74 | 13.06 | 13.92 | 14.25 | 15.85 | 19.09 | 19.40 | 20.27 | 20.60 | 22.20 |
| | 8H | 12.76 | 13.03 | 13.94 | 14.20 | 15.83 | 19.30 | 19.57 | 20.48 | 20.75 | 22.37 |
| | 12H | 12.72 | 12.96 | 13.91 | 14.13 | 15.79 | 19.43 | 19.67 | 20.62 | 20.84 | 22.50 |
| 12H | 4H | 12.64 | 12.98 | 13.81 | 14.15 | 15.76 | 18.43 | 18.77 | 19.60 | 19.93 | 21.54 |
| | 6H | 13.00 | 13.27 | 14.18 | 14.44 | 16.07 | 19.07 | 19.34 | 20.26 | 20.52 | 22.14 |
| | 8H | 13.06 | 13.30 | 14.25 | 14.47 | 16.12 | 19.29 | 19.53 | 20.47 | 20.70 | 22.35 |