

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: P937163

Luminaire Tested: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937163
REPORT IS A COMBINATION OF REPORTS P933510 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

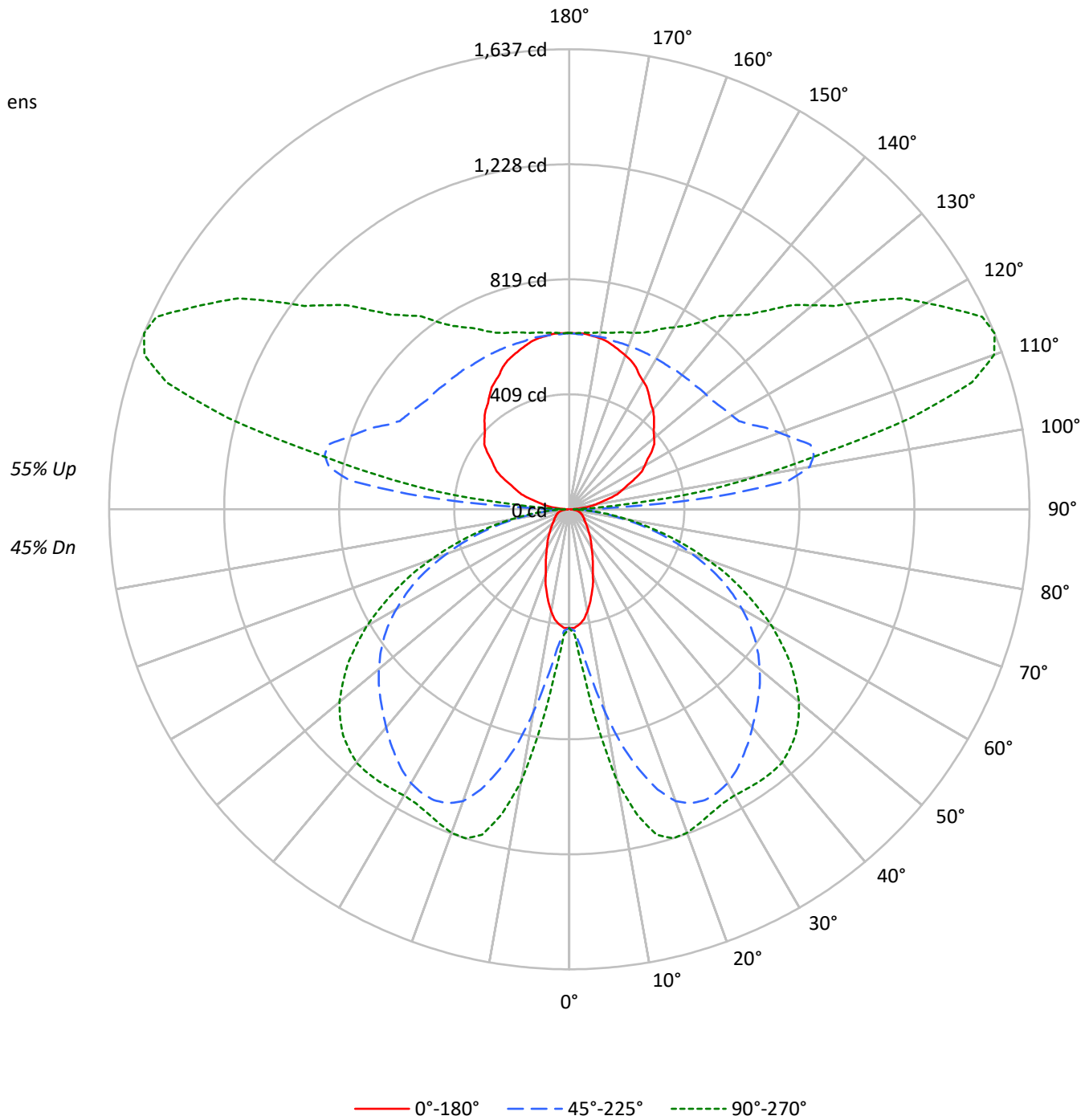
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7334.5 lumens
Efficiency: N/A
Efficacy: 115.3 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: General Diffuse

Input Watts (W): 63.6
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: P937163
CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P937163

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 80 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 44 | 43 | 42 | 37 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 44 | 38 | 36 | 35 | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 | 25 |
| 4 | 72 | 61 | 53 | 47 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 24 | 21 |
| 5 | 66 | 54 | 46 | 39 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 26 | 23 | 21 | 17 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 21 | 18 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 11 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 12 | 10 |
| 10 | 44 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 16 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2612 | 2612 | 2612 |
| 5° | 2551 | 3018 | 3511 |
| 10° | 2313 | 4399 | 5821 |
| 15° | 1965 | 5746 | 7029 |
| 20° | 1599 | 6657 | 7164 |
| 25° | 1334 | 6965 | 7018 |
| 30° | 1124 | 7007 | 7005 |
| 35° | 994 | 6888 | 7186 |
| 40° | 865 | 6735 | 7374 |
| 45° | 783 | 6622 | 7402 |
| 50° | 717 | 6520 | 7280 |
| 55° | 687 | 6372 | 6956 |
| 60° | 702 | 6090 | 6447 |
| 65° | 729 | 5662 | 5747 |
| 70° | 775 | 4933 | 4855 |
| 75° | 855 | 4020 | 3789 |
| 80° | 928 | 2783 | 2553 |
| 85° | 811 | 1475 | 1307 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7402 cd/sqm



TEST NUMBER: P937163

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.6 | 0.7 |
| 10°-20° | 242.1 | 3.3 |
| 20°-30° | 423.5 | 5.8 |
| 30°-40° | 545.1 | 7.4 |
| 40°-50° | 608.9 | 8.3 |
| 50°-60° | 583.1 | 8.0 |
| 60°-70° | 462.1 | 6.3 |
| 70°-80° | 271.7 | 3.7 |
| 80°-90° | 77.9 | 1.1 |
| 90°-100° | 305.7 | 4.2 |
| 100°-110° | 803.7 | 11.0 |
| 110°-120° | 833.3 | 11.4 |
| 120°-130° | 668.4 | 9.1 |
| 130°-140° | 524.5 | 7.2 |
| 140°-150° | 402.6 | 5.5 |
| 150°-160° | 289.9 | 4.0 |
| 160°-170° | 177.4 | 2.4 |
| 170°-180° | 59.9 | 0.8 |
| 0°-30° | 720.2 | 9.8 |
| 0°-40° | 1265.3 | 17.3 |
| 0°-60° | 2457.3 | 33.5 |
| 0°-90° | 3269.1 | 44.6 |
| 90°-120° | 1942.7 | 26.5 |
| 90°-150° | 3538.2 | 48.2 |
| 90°-180° | 4065.0 | 55.4 |
| 0°-180° | 7334.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 422 | 422 | 422 | 422 | 422 | |
| 5° | 411 | 441 | 497 | 562 | 582 | 38 |
| 15° | 308 | 569 | 959 | 1162 | 1199 | 86 |
| 25° | 197 | 645 | 1142 | 1192 | 1194 | 91 |
| 35° | 133 | 616 | 1075 | 1136 | 1181 | 83 |
| 45° | 91 | 492 | 950 | 1089 | 1138 | 70 |
| 55° | 65 | 312 | 806 | 937 | 963 | 59 |
| 65° | 52 | 166 | 599 | 673 | 683 | 51 |
| 75° | 38 | 102 | 329 | 361 | 362 | 40 |
| 85° | 14 | 31 | 82 | 90 | 91 | 14 |
| 90° | 4 | 12 | 32 | 16 | 16 | 4 |
| 95° | 40 | 158 | 526 | 272 | 185 | 45 |
| 105° | 145 | 219 | 888 | 1349 | 1258 | 154 |
| 115° | 257 | 312 | 712 | 1420 | 1620 | 254 |
| 125° | 358 | 401 | 647 | 1094 | 1290 | 318 |
| 135° | 426 | 469 | 627 | 883 | 1001 | 330 |
| 145° | 495 | 526 | 619 | 753 | 812 | 310 |
| 155° | 559 | 574 | 619 | 680 | 700 | 257 |
| 165° | 603 | 611 | 619 | 644 | 652 | 170 |
| 175° | 627 | 627 | 623 | 631 | 631 | 60 |
| 180° | 627 | 627 | 627 | 627 | 627 | |



TEST NUMBER: P937163

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 422.3 | 422.3 | 422.3 | 422.3 | 422.3 | 422.3 | 422.3 | 422.3 | 422.3 | 422.3 | 422.3 |
| 2.5° | 422.3 | 422.3 | 425.0 | 426.3 | 429.0 | 430.4 | 433.1 | 435.8 | 444.0 | 445.3 | 448.1 |
| 5° | 411.4 | 416.8 | 434.5 | 441.3 | 460.3 | 486.1 | 496.9 | 514.6 | 551.2 | 562.1 | 568.9 |
| 7.5° | 395.1 | 407.3 | 450.8 | 461.6 | 509.2 | 577.0 | 605.6 | 643.6 | 702.0 | 730.5 | 753.5 |
| 10° | 369.3 | 395.1 | 472.5 | 498.3 | 575.7 | 678.9 | 731.8 | 784.8 | 873.0 | 912.4 | 927.3 |
| 12.5° | 340.8 | 382.9 | 495.6 | 530.9 | 642.2 | 792.9 | 856.7 | 915.1 | 1015.6 | 1068.6 | 1076.8 |
| 15° | 308.2 | 365.2 | 517.3 | 568.9 | 712.8 | 888.0 | 958.6 | 1030.6 | 1124.3 | 1162.3 | 1171.8 |
| 17.5° | 279.7 | 351.7 | 537.7 | 592.0 | 767.1 | 973.5 | 1045.6 | 1105.3 | 1181.3 | 1207.1 | 1213.9 |
| 20° | 244.4 | 329.9 | 551.2 | 621.8 | 824.1 | 1036.0 | 1105.3 | 1151.5 | 1203.0 | 1219.3 | 1222.1 |
| 22.5° | 218.6 | 306.8 | 559.4 | 632.7 | 862.2 | 1074.1 | 1132.4 | 1169.1 | 1204.4 | 1209.8 | 1211.2 |
| 25° | 196.9 | 281.1 | 558.0 | 644.9 | 894.8 | 1097.1 | 1142.0 | 1169.1 | 1189.5 | 1192.2 | 1192.2 |
| 27.5° | 176.5 | 252.5 | 552.6 | 647.6 | 919.2 | 1102.6 | 1137.9 | 1156.9 | 1166.4 | 1171.8 | 1171.8 |
| 30° | 158.9 | 225.4 | 539.0 | 642.2 | 930.1 | 1097.1 | 1125.7 | 1135.2 | 1144.7 | 1152.8 | 1156.9 |
| 32.5° | 145.3 | 199.6 | 518.7 | 631.3 | 931.4 | 1083.6 | 1103.9 | 1109.4 | 1122.9 | 1142.0 | 1148.7 |
| 35° | 133.1 | 173.8 | 495.6 | 616.4 | 923.3 | 1061.8 | 1075.4 | 1080.9 | 1108.0 | 1136.5 | 1146.0 |
| 37.5° | 120.8 | 154.8 | 465.7 | 590.6 | 911.0 | 1036.0 | 1045.6 | 1055.1 | 1097.1 | 1131.1 | 1142.0 |
| 40° | 108.6 | 138.5 | 430.4 | 562.1 | 892.0 | 1004.7 | 1012.9 | 1027.8 | 1083.6 | 1122.9 | 1133.8 |
| 42.5° | 99.1 | 124.9 | 392.4 | 532.2 | 867.6 | 969.4 | 981.6 | 1003.4 | 1067.3 | 1109.4 | 1121.6 |
| 45° | 91.0 | 111.3 | 351.7 | 491.5 | 836.4 | 932.8 | 950.4 | 980.3 | 1048.3 | 1089.0 | 1099.9 |
| 47.5° | 82.8 | 101.8 | 309.6 | 449.4 | 802.4 | 896.1 | 919.2 | 953.1 | 1022.4 | 1061.8 | 1071.3 |
| 50° | 76.0 | 92.3 | 267.5 | 404.6 | 765.8 | 856.7 | 883.9 | 919.2 | 989.8 | 1026.5 | 1038.8 |
| 52.5° | 70.6 | 84.2 | 228.1 | 359.8 | 723.7 | 816.0 | 847.2 | 883.9 | 950.4 | 985.7 | 993.9 |
| 55° | 65.2 | 77.4 | 194.2 | 312.3 | 680.2 | 772.6 | 806.5 | 841.8 | 907.0 | 936.8 | 942.3 |
| 57.5° | 62.5 | 72.0 | 165.6 | 267.5 | 634.1 | 723.7 | 761.7 | 794.3 | 855.4 | 878.5 | 883.9 |
| 60° | 58.4 | 67.9 | 143.9 | 229.5 | 583.8 | 677.5 | 710.1 | 742.7 | 794.3 | 813.3 | 817.4 |
| 62.5° | 54.3 | 65.2 | 127.6 | 192.8 | 532.2 | 623.2 | 655.8 | 685.7 | 729.1 | 742.7 | 748.1 |
| 65° | 51.6 | 62.5 | 115.4 | 165.6 | 479.3 | 566.2 | 598.8 | 624.6 | 659.9 | 673.4 | 676.2 |
| 67.5° | 48.9 | 59.7 | 105.9 | 142.6 | 426.3 | 509.2 | 533.6 | 558.0 | 585.2 | 598.8 | 600.1 |
| 70° | 44.8 | 57.0 | 97.8 | 126.3 | 372.0 | 444.0 | 464.3 | 490.1 | 511.9 | 518.7 | 522.7 |
| 72.5° | 42.1 | 53.0 | 92.3 | 114.1 | 316.4 | 381.5 | 400.5 | 415.5 | 434.5 | 441.3 | 441.3 |
| 75° | 38.0 | 47.5 | 86.9 | 101.8 | 259.3 | 312.3 | 328.6 | 343.5 | 358.4 | 361.2 | 357.1 |
| 77.5° | 33.9 | 42.1 | 74.7 | 85.5 | 202.3 | 247.1 | 260.7 | 268.8 | 281.1 | 283.8 | 285.1 |
| 80° | 28.5 | 36.7 | 58.4 | 66.5 | 146.6 | 181.9 | 191.4 | 198.2 | 209.1 | 209.1 | 211.8 |
| 82.5° | 21.7 | 28.5 | 42.1 | 47.5 | 99.1 | 124.9 | 133.1 | 137.1 | 143.9 | 143.9 | 143.9 |
| 85° | 13.6 | 17.7 | 27.2 | 31.2 | 59.7 | 76.0 | 81.5 | 82.8 | 88.3 | 89.6 | 89.6 |
| 87.5° | 6.8 | 9.5 | 17.7 | 19.0 | 31.2 | 39.4 | 39.4 | 42.1 | 42.1 | 40.7 | 39.4 |
| 90° | 4.2 | 7.5 | 11.0 | 11.8 | 18.5 | 27.4 | 32.0 | 28.4 | 21.4 | 16.0 | 16.0 |
| 92.5° | 16.8 | 45.4 | 74.0 | 81.2 | 114.1 | 158.1 | 180.1 | 157.9 | 113.3 | 79.9 | 76.8 |
| 95° | 40.4 | 92.8 | 145.1 | 158.2 | 281.0 | 444.7 | 526.5 | 469.9 | 356.5 | 271.5 | 261.9 |
| 97.5° | 69.9 | 116.0 | 162.2 | 173.8 | 378.5 | 651.4 | 787.9 | 752.1 | 680.5 | 626.7 | 608.4 |
| 100° | 92.6 | 134.5 | 176.4 | 186.9 | 414.0 | 716.9 | 868.3 | 870.9 | 876.2 | 880.1 | 858.3 |
| 102.5° | 112.0 | 151.1 | 190.2 | 200.0 | 430.3 | 737.4 | 891.0 | 936.7 | 1028.0 | 1096.4 | 1077.7 |
| 105° | 144.8 | 178.0 | 211.1 | 219.3 | 442.4 | 739.8 | 888.5 | 990.8 | 1195.4 | 1349.0 | 1338.9 |
| 107.5° | 178.5 | 209.4 | 240.2 | 247.9 | 444.6 | 706.8 | 838.0 | 980.7 | 1266.2 | 1480.3 | 1482.7 |
| 110° | 201.2 | 229.1 | 256.9 | 263.9 | 441.2 | 677.7 | 795.9 | 955.5 | 1274.6 | 1514.0 | 1524.5 |



TEST NUMBER: P937163

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 223.5 | 250.0 | 276.6 | 283.2 | 441.4 | 652.2 | 757.6 | 920.9 | 1247.5 | 1492.4 | 1508.5 |
| 115° | 257.2 | 281.7 | 306.1 | 312.3 | 445.4 | 622.9 | 711.7 | 869.0 | 1183.7 | 1419.7 | 1441.9 |
| 117.5° | 290.4 | 312.6 | 334.9 | 340.5 | 453.8 | 604.6 | 680.1 | 822.2 | 1106.1 | 1319.1 | 1343.8 |
| 120° | 309.7 | 330.7 | 351.7 | 356.9 | 460.5 | 598.5 | 667.6 | 797.3 | 1056.7 | 1251.3 | 1275.4 |
| 122.5° | 328.8 | 349.8 | 371.0 | 376.3 | 470.1 | 595.3 | 657.9 | 774.6 | 1008.3 | 1183.5 | 1207.2 |
| 125° | 357.7 | 377.0 | 396.3 | 401.1 | 483.2 | 592.6 | 647.4 | 746.6 | 945.1 | 1093.9 | 1115.7 |
| 127.5° | 381.3 | 400.8 | 420.2 | 425.1 | 496.2 | 591.1 | 638.5 | 723.7 | 894.1 | 1021.9 | 1040.4 |
| 130° | 393.9 | 414.9 | 435.8 | 441.1 | 505.8 | 592.1 | 635.2 | 711.0 | 862.7 | 976.5 | 993.5 |
| 132.5° | 407.0 | 428.0 | 448.9 | 454.1 | 513.5 | 592.6 | 632.2 | 700.1 | 835.9 | 937.7 | 953.0 |
| 135° | 426.3 | 445.4 | 464.5 | 469.3 | 521.9 | 592.1 | 627.1 | 683.9 | 797.7 | 883.0 | 896.1 |
| 137.5° | 446.2 | 465.0 | 483.9 | 488.6 | 534.5 | 595.7 | 626.3 | 674.3 | 770.5 | 842.6 | 853.4 |
| 140° | 462.5 | 479.9 | 497.4 | 501.7 | 542.3 | 596.3 | 623.3 | 664.8 | 747.9 | 810.2 | 820.3 |
| 142.5° | 475.2 | 491.3 | 507.4 | 511.4 | 548.7 | 598.4 | 623.3 | 659.8 | 732.7 | 787.5 | 796.2 |
| 145° | 494.6 | 508.6 | 522.5 | 526.1 | 557.1 | 598.5 | 619.1 | 649.0 | 708.7 | 753.4 | 759.9 |
| 147.5° | 513.9 | 527.5 | 541.2 | 544.6 | 569.4 | 602.6 | 619.1 | 642.6 | 689.6 | 724.8 | 730.2 |
| 150° | 526.5 | 538.8 | 551.2 | 554.3 | 576.0 | 604.7 | 619.1 | 639.0 | 678.6 | 708.4 | 712.8 |
| 152.5° | 539.6 | 549.0 | 558.3 | 560.7 | 580.1 | 606.1 | 619.1 | 636.1 | 669.9 | 695.3 | 698.7 |
| 155° | 558.9 | 565.8 | 572.8 | 574.5 | 589.4 | 609.2 | 619.1 | 632.6 | 659.6 | 679.8 | 681.9 |
| 157.5° | 573.2 | 580.0 | 586.7 | 588.4 | 598.7 | 612.3 | 619.1 | 629.6 | 650.5 | 666.3 | 667.8 |
| 160° | 582.9 | 588.2 | 593.4 | 594.7 | 602.8 | 613.7 | 619.1 | 628.1 | 646.0 | 659.5 | 660.4 |
| 162.5° | 592.6 | 596.6 | 600.5 | 601.5 | 607.4 | 615.2 | 619.1 | 626.7 | 641.8 | 653.3 | 654.1 |
| 165° | 603.1 | 606.7 | 610.3 | 611.2 | 613.8 | 617.3 | 619.1 | 624.6 | 635.4 | 643.6 | 644.5 |
| 167.5° | 612.8 | 614.5 | 616.1 | 616.6 | 618.9 | 621.8 | 623.3 | 626.8 | 634.0 | 639.3 | 639.7 |
| 170° | 619.1 | 620.8 | 622.5 | 622.9 | 623.0 | 623.2 | 623.3 | 626.8 | 634.0 | 639.3 | 639.3 |
| 172.5° | 622.5 | 622.8 | 623.2 | 623.3 | 623.3 | 623.3 | 623.3 | 626.1 | 631.7 | 636.0 | 635.6 |
| 175° | 627.1 | 627.1 | 627.1 | 627.1 | 625.8 | 624.1 | 623.3 | 625.1 | 628.6 | 631.3 | 631.3 |
| 177.5° | 627.1 | 627.1 | 627.1 | 627.1 | 626.1 | 624.8 | 624.2 | 625.6 | 628.5 | 630.5 | 630.2 |
| 180° | 627.1 | 627.1 | 627.1 | 627.1 | 627.1 | 627.1 | 627.1 | 627.1 | 627.1 | 627.1 | 627.1 |



TEST NUMBER: P937163

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 422.3 | 422.3 |
| 2.5° | 450.8 | 448.1 |
| 5° | 579.8 | 582.5 |
| 7.5° | 780.7 | 779.3 |
| 10° | 970.8 | 983.0 |
| 12.5° | 1109.4 | 1112.1 |
| 15° | 1193.5 | 1199.0 |
| 17.5° | 1226.1 | 1227.5 |
| 20° | 1227.5 | 1224.8 |
| 22.5° | 1212.6 | 1209.8 |
| 25° | 1194.9 | 1193.5 |
| 27.5° | 1178.6 | 1180.0 |
| 30° | 1171.8 | 1175.9 |
| 32.5° | 1171.8 | 1178.6 |
| 35° | 1174.5 | 1181.3 |
| 37.5° | 1173.2 | 1181.3 |
| 40° | 1167.7 | 1177.3 |
| 42.5° | 1152.8 | 1159.6 |
| 45° | 1129.7 | 1137.9 |
| 47.5° | 1099.9 | 1105.3 |
| 50° | 1061.8 | 1067.3 |
| 52.5° | 1014.2 | 1015.6 |
| 55° | 957.2 | 962.6 |
| 57.5° | 896.1 | 897.5 |
| 60° | 828.2 | 832.3 |
| 62.5° | 756.3 | 756.3 |
| 65° | 680.2 | 682.9 |
| 67.5° | 601.5 | 608.3 |
| 70° | 521.4 | 522.7 |
| 72.5° | 442.6 | 442.6 |
| 75° | 361.2 | 362.5 |
| 77.5° | 283.8 | 283.8 |
| 80° | 210.4 | 211.8 |
| 82.5° | 145.3 | 148.0 |
| 85° | 91.0 | 91.0 |
| 87.5° | 42.1 | 38.0 |
| 90° | 16.0 | 16.0 |
| 92.5° | 64.0 | 51.3 |
| 95° | 223.3 | 184.7 |
| 97.5° | 535.0 | 461.7 |
| 100° | 770.8 | 683.5 |
| 102.5° | 1002.9 | 928.1 |
| 105° | 1298.6 | 1258.4 |
| 107.5° | 1492.4 | 1502.1 |
| 110° | 1566.3 | 1608.2 |



TEST NUMBER: P937163

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1572.9 | 1637.3 |
| 115° | 1531.2 | 1620.4 |
| 117.5° | 1442.7 | 1541.7 |
| 120° | 1371.5 | 1467.6 |
| 122.5° | 1302.1 | 1396.9 |
| 125° | 1203.1 | 1290.5 |
| 127.5° | 1114.1 | 1187.8 |
| 130° | 1061.6 | 1129.6 |
| 132.5° | 1014.0 | 1075.0 |
| 135° | 948.7 | 1001.3 |
| 137.5° | 896.4 | 939.5 |
| 140° | 860.5 | 900.7 |
| 142.5° | 830.8 | 865.3 |
| 145° | 786.1 | 812.3 |
| 147.5° | 751.8 | 773.6 |
| 150° | 730.4 | 747.9 |
| 152.5° | 711.9 | 725.2 |
| 155° | 690.7 | 699.5 |
| 157.5° | 674.0 | 680.1 |
| 160° | 663.9 | 667.6 |
| 162.5° | 657.4 | 660.8 |
| 165° | 648.0 | 651.5 |
| 167.5° | 641.2 | 642.7 |
| 170° | 639.3 | 639.3 |
| 172.5° | 634.3 | 633.0 |
| 175° | 631.3 | 631.3 |
| 177.5° | 628.6 | 627.1 |
| 180° | 627.1 | 627.1 |



TEST NUMBER: P937163

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-6-4000K

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 | 3.82 | 4.67 | 4.81 | 5.68 | 7.02 | 16.99 | 17.83 | 17.98 | 18.84 | 20.19 |
| | 3H | 4.52 | 5.28 | 5.53 | 6.30 | 7.67 | 18.82 | 19.58 | 19.82 | 20.60 | 21.96 |
| | 4H | 4.82 | 5.54 | 5.84 | 6.57 | 7.94 | 19.46 | 20.18 | 20.48 | 21.20 | 22.58 |
| | 6H | 5.07 | 5.74 | 6.10 | 6.76 | 8.15 | 19.88 | 20.55 | 20.91 | 21.58 | 22.96 |
| | 8H | 5.14 | 5.77 | 6.17 | 6.82 | 8.20 | 20.00 | 20.64 | 21.04 | 21.68 | 23.06 |
| | 12H | 5.16 | 5.76 | 6.20 | 6.80 | 8.20 | 20.07 | 20.67 | 21.11 | 21.71 | 23.12 |
| 4H | 2H | 11.03 | 11.75 | 12.05 | 12.77 | 14.14 | 17.26 | 17.98 | 18.28 | 19.00 | 20.38 |
| | 3H | 12.59 | 13.20 | 13.63 | 14.25 | 15.63 | 19.30 | 19.90 | 20.33 | 20.95 | 22.34 |
| | 4H | 12.69 | 13.24 | 13.73 | 14.28 | 15.69 | 20.06 | 20.61 | 21.10 | 21.66 | 23.07 |
| | 6H | 12.70 | 13.17 | 13.75 | 14.24 | 15.64 | 20.59 | 21.07 | 21.65 | 22.14 | 23.54 |
| | 8H | 12.67 | 13.12 | 13.73 | 14.18 | 15.60 | 20.75 | 21.20 | 21.81 | 22.26 | 23.68 |
| | 12H | 12.63 | 13.03 | 13.70 | 14.11 | 15.53 | 20.84 | 21.25 | 21.91 | 22.32 | 23.75 |
| 8H | 4H | 14.13 | 14.57 | 15.18 | 15.63 | 17.05 | 20.12 | 20.57 | 21.17 | 21.63 | 23.04 |
| | 6H | 14.37 | 14.74 | 15.44 | 15.84 | 17.26 | 20.74 | 21.11 | 21.82 | 22.21 | 23.63 |
| | 8H | 14.39 | 14.71 | 15.47 | 15.80 | 17.23 | 20.96 | 21.29 | 22.04 | 22.37 | 23.81 |
| | 12H | 14.35 | 14.64 | 15.44 | 15.72 | 17.20 | 21.10 | 21.39 | 22.19 | 22.47 | 23.94 |
| 12H | 4H | 14.27 | 14.67 | 15.34 | 15.75 | 17.17 | 20.07 | 20.48 | 21.14 | 21.55 | 22.97 |
| | 6H | 14.63 | 14.95 | 15.71 | 16.04 | 17.47 | 20.73 | 21.05 | 21.81 | 22.14 | 23.57 |
| | 8H | 14.69 | 14.98 | 15.78 | 16.06 | 17.54 | 20.95 | 21.24 | 22.04 | 22.32 | 23.80 |