

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: P937166

Luminaire Tested: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937166
REPORT IS A COMBINATION OF REPORTS P933518 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-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

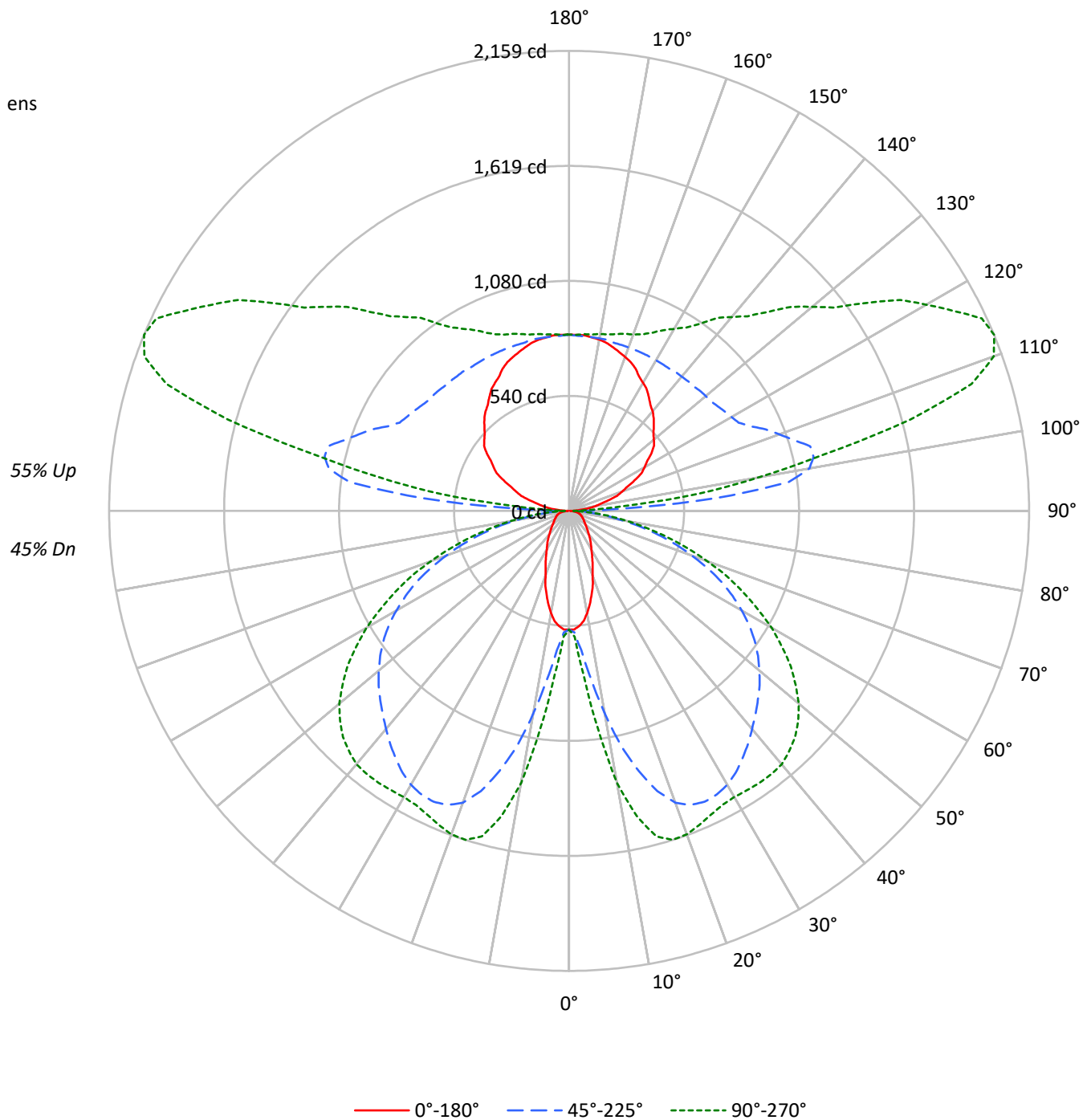
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9672.9 lumens
Efficiency: N/A
Efficacy: 114.1 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: General Diffuse

Input Watts (W): 84.8
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: P937166
CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P937166

CATALOG NUMBER: SQ4-FB-075U-075D-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 | 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° | 2584 | 2584 | 2584 |
| 5° | 2524 | 2986 | 3473 |
| 10° | 2289 | 4353 | 5758 |
| 15° | 1946 | 5688 | 6953 |
| 20° | 1584 | 6591 | 7086 |
| 25° | 1321 | 6897 | 6942 |
| 30° | 1114 | 6941 | 6929 |
| 35° | 985 | 6826 | 7108 |
| 40° | 858 | 6676 | 7293 |
| 45° | 778 | 6566 | 7321 |
| 50° | 713 | 6467 | 7200 |
| 55° | 683 | 6323 | 6881 |
| 60° | 699 | 6045 | 6377 |
| 65° | 727 | 5623 | 5685 |
| 70° | 775 | 4903 | 4802 |
| 75° | 858 | 3998 | 3748 |
| 80° | 938 | 2773 | 2525 |
| 85° | 834 | 1470 | 1293 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7321 cd/sqm



TEST NUMBER: P937166

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-8-3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.0 | 0.7 |
| 10°-20° | 319.3 | 3.3 |
| 20°-30° | 558.5 | 5.8 |
| 30°-40° | 718.9 | 7.4 |
| 40°-50° | 803.0 | 8.3 |
| 50°-60° | 769.1 | 8.0 |
| 60°-70° | 609.5 | 6.3 |
| 70°-80° | 358.4 | 3.7 |
| 80°-90° | 102.7 | 1.1 |
| 90°-100° | 403.2 | 4.2 |
| 100°-110° | 1059.9 | 11.0 |
| 110°-120° | 1099.0 | 11.4 |
| 120°-130° | 881.5 | 9.1 |
| 130°-140° | 691.7 | 7.2 |
| 140°-150° | 530.9 | 5.5 |
| 150°-160° | 382.3 | 4.0 |
| 160°-170° | 233.9 | 2.4 |
| 170°-180° | 79.0 | 0.8 |
| 0°-30° | 949.8 | 9.8 |
| 0°-40° | 1668.7 | 17.3 |
| 0°-60° | 3240.8 | 33.5 |
| 0°-90° | 4311.4 | 44.6 |
| 90°-120° | 2562.1 | 26.5 |
| 90°-150° | 4666.3 | 48.2 |
| 90°-180° | 5362.0 | 55.4 |
| 0°-180° | 9672.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 557 | 557 | 557 | 557 | 557 | |
| 5° | 543 | 582 | 655 | 741 | 768 | 50 |
| 15° | 406 | 750 | 1264 | 1533 | 1581 | 113 |
| 25° | 260 | 850 | 1506 | 1572 | 1574 | 120 |
| 35° | 176 | 813 | 1418 | 1499 | 1558 | 110 |
| 45° | 120 | 648 | 1254 | 1436 | 1501 | 93 |
| 55° | 86 | 412 | 1064 | 1236 | 1270 | 78 |
| 65° | 68 | 218 | 790 | 888 | 901 | 67 |
| 75° | 50 | 134 | 433 | 476 | 478 | 52 |
| 85° | 18 | 41 | 107 | 118 | 120 | 19 |
| 90° | 6 | 16 | 42 | 21 | 21 | 6 |
| 95° | 53 | 209 | 694 | 358 | 244 | 59 |
| 105° | 191 | 289 | 1172 | 1779 | 1660 | 202 |
| 115° | 339 | 412 | 939 | 1872 | 2137 | 335 |
| 125° | 472 | 529 | 854 | 1443 | 1702 | 419 |
| 135° | 562 | 619 | 827 | 1164 | 1320 | 435 |
| 145° | 652 | 694 | 816 | 994 | 1071 | 409 |
| 155° | 737 | 758 | 816 | 896 | 922 | 339 |
| 165° | 795 | 806 | 816 | 849 | 859 | 224 |
| 175° | 827 | 827 | 822 | 833 | 833 | 79 |
| 180° | 827 | 827 | 827 | 827 | 827 | |



TEST NUMBER: P937166

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 556.9 | 556.9 | 556.9 | 556.9 | 556.9 | 556.9 | 556.9 | 556.9 | 556.9 | 556.9 | 556.9 |
| 2.5° | 556.9 | 556.9 | 560.5 | 562.3 | 565.8 | 567.6 | 571.2 | 574.8 | 585.5 | 587.3 | 590.9 |
| 5° | 542.6 | 549.7 | 573.0 | 582.0 | 607.0 | 641.0 | 655.4 | 678.6 | 727.0 | 741.3 | 750.3 |
| 7.5° | 521.1 | 537.2 | 594.5 | 608.8 | 671.5 | 761.0 | 798.6 | 848.8 | 925.8 | 963.4 | 993.8 |
| 10° | 487.0 | 521.1 | 623.1 | 657.2 | 759.2 | 895.3 | 965.1 | 1035.1 | 1151.5 | 1203.4 | 1223.1 |
| 12.5° | 449.4 | 505.0 | 653.6 | 700.1 | 847.0 | 1045.8 | 1130.0 | 1207.0 | 1339.5 | 1409.3 | 1420.1 |
| 15° | 406.5 | 481.7 | 682.2 | 750.3 | 940.1 | 1171.2 | 1264.3 | 1359.2 | 1482.7 | 1532.9 | 1545.4 |
| 17.5° | 368.9 | 463.8 | 709.1 | 780.7 | 1011.7 | 1284.0 | 1378.9 | 1457.7 | 1557.9 | 1592.0 | 1600.9 |
| 20° | 322.3 | 435.1 | 727.0 | 820.1 | 1087.0 | 1366.3 | 1457.7 | 1518.5 | 1586.6 | 1608.1 | 1611.7 |
| 22.5° | 288.3 | 404.7 | 737.7 | 834.4 | 1137.1 | 1416.5 | 1493.5 | 1541.8 | 1588.4 | 1595.5 | 1597.3 |
| 25° | 259.6 | 370.7 | 735.9 | 850.5 | 1180.1 | 1446.9 | 1506.0 | 1541.8 | 1568.7 | 1572.3 | 1572.3 |
| 27.5° | 232.8 | 333.1 | 728.8 | 854.1 | 1212.3 | 1454.1 | 1500.6 | 1525.7 | 1538.2 | 1545.4 | 1545.4 |
| 30° | 209.5 | 297.2 | 710.9 | 847.0 | 1226.7 | 1446.9 | 1484.5 | 1497.1 | 1509.6 | 1520.3 | 1525.7 |
| 32.5° | 191.6 | 263.2 | 684.0 | 832.6 | 1228.5 | 1429.0 | 1455.9 | 1463.0 | 1480.9 | 1506.0 | 1515.0 |
| 35° | 175.5 | 229.2 | 653.6 | 812.9 | 1217.7 | 1400.4 | 1418.3 | 1425.4 | 1461.2 | 1498.8 | 1511.4 |
| 37.5° | 159.4 | 204.1 | 614.2 | 778.9 | 1201.6 | 1366.3 | 1378.9 | 1391.4 | 1446.9 | 1491.7 | 1506.0 |
| 40° | 143.2 | 182.6 | 567.6 | 741.3 | 1176.5 | 1325.2 | 1335.9 | 1355.6 | 1429.0 | 1480.9 | 1495.3 |
| 42.5° | 130.7 | 164.7 | 517.5 | 701.9 | 1144.3 | 1278.6 | 1294.7 | 1323.4 | 1407.5 | 1463.0 | 1479.1 |
| 45° | 120.0 | 146.8 | 463.8 | 648.2 | 1103.1 | 1230.2 | 1253.5 | 1292.9 | 1382.5 | 1436.2 | 1450.5 |
| 47.5° | 109.2 | 134.3 | 408.3 | 592.7 | 1058.3 | 1181.9 | 1212.3 | 1257.1 | 1348.4 | 1400.4 | 1412.9 |
| 50° | 100.3 | 121.8 | 352.8 | 533.6 | 1009.9 | 1130.0 | 1165.8 | 1212.3 | 1305.5 | 1353.8 | 1369.9 |
| 52.5° | 93.1 | 111.0 | 300.8 | 474.5 | 954.4 | 1076.3 | 1117.4 | 1165.8 | 1253.5 | 1300.1 | 1310.8 |
| 55° | 85.9 | 102.1 | 256.1 | 411.8 | 897.1 | 1019.0 | 1063.7 | 1110.3 | 1196.2 | 1235.6 | 1242.8 |
| 57.5° | 82.4 | 94.9 | 218.5 | 352.8 | 836.2 | 954.4 | 1004.5 | 1047.6 | 1128.2 | 1158.6 | 1165.8 |
| 60° | 77.0 | 89.5 | 189.8 | 302.6 | 770.0 | 893.5 | 936.5 | 979.5 | 1047.6 | 1072.7 | 1078.0 |
| 62.5° | 71.6 | 85.9 | 168.3 | 254.3 | 701.9 | 821.9 | 864.9 | 904.3 | 961.6 | 979.5 | 986.6 |
| 65° | 68.0 | 82.4 | 152.2 | 218.5 | 632.1 | 746.7 | 789.7 | 823.7 | 870.2 | 888.1 | 891.7 |
| 67.5° | 64.5 | 78.8 | 139.7 | 188.0 | 562.3 | 671.5 | 703.7 | 735.9 | 771.8 | 789.7 | 791.5 |
| 70° | 59.1 | 75.2 | 128.9 | 166.5 | 490.6 | 585.5 | 612.4 | 646.4 | 675.1 | 684.0 | 689.4 |
| 72.5° | 55.5 | 69.8 | 121.8 | 150.4 | 417.2 | 503.2 | 528.2 | 547.9 | 573.0 | 582.0 | 582.0 |
| 75° | 50.1 | 62.7 | 114.6 | 134.3 | 342.0 | 411.8 | 433.3 | 453.0 | 472.7 | 476.3 | 470.9 |
| 77.5° | 44.8 | 55.5 | 98.5 | 112.8 | 266.8 | 325.9 | 343.8 | 354.5 | 370.7 | 374.2 | 376.0 |
| 80° | 37.6 | 48.3 | 77.0 | 87.7 | 193.4 | 239.9 | 252.5 | 261.4 | 275.8 | 275.8 | 279.3 |
| 82.5° | 28.6 | 37.6 | 55.5 | 62.7 | 130.7 | 164.7 | 175.5 | 180.9 | 189.8 | 189.8 | 189.8 |
| 85° | 17.9 | 23.3 | 35.8 | 41.2 | 78.8 | 100.3 | 107.4 | 109.2 | 116.4 | 118.2 | 118.2 |
| 87.5° | 9.0 | 12.5 | 23.3 | 25.1 | 41.2 | 51.9 | 51.9 | 55.5 | 55.5 | 53.7 | 51.9 |
| 90° | 5.6 | 10.0 | 14.5 | 15.6 | 24.4 | 36.3 | 42.2 | 37.5 | 28.1 | 21.1 | 21.1 |
| 92.5° | 22.2 | 60.0 | 97.8 | 107.2 | 150.7 | 208.6 | 237.6 | 208.2 | 149.5 | 105.5 | 101.3 |
| 95° | 53.3 | 122.4 | 191.4 | 208.7 | 370.6 | 586.4 | 694.4 | 619.6 | 470.1 | 358.0 | 345.3 |
| 97.5° | 92.1 | 153.1 | 214.1 | 229.3 | 499.2 | 859.1 | 1039.1 | 991.8 | 897.4 | 826.6 | 802.4 |
| 100° | 122.1 | 177.4 | 232.7 | 246.5 | 546.1 | 945.4 | 1145.1 | 1148.6 | 1155.5 | 1160.7 | 1131.9 |
| 102.5° | 147.6 | 199.2 | 250.8 | 263.7 | 567.4 | 972.6 | 1175.1 | 1235.3 | 1355.7 | 1446.0 | 1421.3 |
| 105° | 191.0 | 234.7 | 278.3 | 289.2 | 583.4 | 975.6 | 1171.8 | 1306.7 | 1576.6 | 1779.0 | 1765.7 |
| 107.5° | 235.4 | 276.1 | 316.8 | 327.0 | 586.3 | 932.2 | 1105.2 | 1293.4 | 1669.8 | 1952.2 | 1955.5 |
| 110° | 265.4 | 302.1 | 338.8 | 348.0 | 581.9 | 893.7 | 1049.7 | 1260.1 | 1680.9 | 1996.6 | 2010.4 |



TEST NUMBER: P937166

CATALOG NUMBER: SQ4-FB-075U-075D-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° | 294.7 | 329.7 | 364.8 | 373.5 | 582.0 | 860.1 | 999.2 | 1214.6 | 1645.3 | 1968.3 | 1989.6 |
| 115° | 339.1 | 371.5 | 403.8 | 411.8 | 587.4 | 821.5 | 938.6 | 1146.1 | 1561.1 | 1872.3 | 1901.7 |
| 117.5° | 383.0 | 412.4 | 441.7 | 449.1 | 598.4 | 797.5 | 897.0 | 1084.2 | 1458.7 | 1739.6 | 1772.2 |
| 120° | 408.5 | 436.1 | 463.8 | 470.7 | 607.2 | 789.3 | 880.4 | 1051.5 | 1393.6 | 1650.2 | 1681.9 |
| 122.5° | 433.5 | 461.4 | 489.3 | 496.3 | 620.0 | 785.0 | 867.6 | 1021.6 | 1329.8 | 1560.9 | 1592.1 |
| 125° | 471.8 | 497.3 | 522.6 | 529.0 | 637.2 | 781.5 | 853.7 | 984.6 | 1246.3 | 1442.6 | 1471.4 |
| 127.5° | 502.9 | 528.6 | 554.2 | 560.6 | 654.5 | 779.5 | 842.0 | 954.4 | 1179.1 | 1347.7 | 1372.0 |
| 130° | 519.5 | 547.1 | 574.8 | 581.7 | 667.0 | 780.8 | 837.7 | 937.7 | 1137.8 | 1287.8 | 1310.3 |
| 132.5° | 536.7 | 564.4 | 592.1 | 599.0 | 677.2 | 781.5 | 833.7 | 923.2 | 1102.4 | 1236.7 | 1256.8 |
| 135° | 562.3 | 587.4 | 612.7 | 618.9 | 688.3 | 780.8 | 827.1 | 902.1 | 1052.1 | 1164.5 | 1181.9 |
| 137.5° | 588.4 | 613.3 | 638.2 | 644.4 | 705.0 | 785.6 | 825.9 | 889.3 | 1016.2 | 1111.3 | 1125.4 |
| 140° | 610.1 | 633.0 | 655.9 | 661.6 | 715.1 | 786.4 | 822.1 | 876.9 | 986.4 | 1068.6 | 1081.8 |
| 142.5° | 626.7 | 647.9 | 669.2 | 674.4 | 723.7 | 789.3 | 822.1 | 870.2 | 966.4 | 1038.6 | 1049.9 |
| 145° | 652.2 | 670.8 | 689.2 | 693.9 | 734.8 | 789.3 | 816.5 | 855.9 | 934.6 | 993.6 | 1002.2 |
| 147.5° | 677.8 | 695.7 | 713.8 | 718.3 | 751.1 | 794.7 | 816.5 | 847.5 | 909.4 | 955.8 | 963.0 |
| 150° | 694.4 | 710.7 | 727.0 | 731.0 | 759.5 | 797.5 | 816.5 | 842.7 | 895.0 | 934.2 | 940.0 |
| 152.5° | 711.6 | 723.9 | 736.3 | 739.3 | 765.0 | 799.3 | 816.5 | 838.8 | 883.5 | 917.0 | 921.4 |
| 155° | 737.1 | 746.2 | 755.4 | 757.7 | 777.3 | 803.5 | 816.5 | 834.3 | 869.8 | 896.5 | 899.3 |
| 157.5° | 756.0 | 764.9 | 773.7 | 776.0 | 789.5 | 807.5 | 816.5 | 830.3 | 858.0 | 878.7 | 880.7 |
| 160° | 768.8 | 775.7 | 782.6 | 784.3 | 795.0 | 809.4 | 816.5 | 828.3 | 852.1 | 869.8 | 871.0 |
| 162.5° | 781.5 | 786.7 | 791.9 | 793.2 | 801.0 | 811.3 | 816.5 | 826.6 | 846.5 | 861.5 | 862.5 |
| 165° | 795.4 | 800.1 | 804.8 | 806.0 | 809.5 | 814.2 | 816.5 | 823.7 | 838.0 | 848.8 | 849.9 |
| 167.5° | 808.2 | 810.4 | 812.7 | 813.2 | 816.2 | 820.1 | 822.1 | 826.7 | 836.1 | 843.2 | 843.7 |
| 170° | 816.5 | 818.8 | 821.0 | 821.5 | 821.7 | 822.0 | 822.1 | 826.7 | 836.1 | 843.2 | 843.2 |
| 172.5° | 821.0 | 821.4 | 822.0 | 822.1 | 822.1 | 822.1 | 822.1 | 825.7 | 833.2 | 838.7 | 838.3 |
| 175° | 827.1 | 827.1 | 827.1 | 827.1 | 825.4 | 823.1 | 822.1 | 824.4 | 829.1 | 832.6 | 832.6 |
| 177.5° | 827.1 | 827.1 | 827.1 | 827.1 | 825.7 | 824.0 | 823.1 | 825.0 | 828.7 | 831.5 | 831.0 |
| 180° | 827.1 | 827.1 | 827.1 | 827.1 | 827.1 | 827.1 | 827.1 | 827.1 | 827.1 | 827.1 | 827.1 |



TEST NUMBER: P937166

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 556.9 | 556.9 |
| 2.5° | 594.5 | 590.9 |
| 5° | 764.6 | 768.2 |
| 7.5° | 1029.7 | 1027.9 |
| 10° | 1280.4 | 1296.5 |
| 12.5° | 1463.0 | 1466.6 |
| 15° | 1574.0 | 1581.2 |
| 17.5° | 1617.0 | 1618.8 |
| 20° | 1618.8 | 1615.2 |
| 22.5° | 1599.1 | 1595.5 |
| 25° | 1575.8 | 1574.0 |
| 27.5° | 1554.4 | 1556.1 |
| 30° | 1545.4 | 1550.8 |
| 32.5° | 1545.4 | 1554.4 |
| 35° | 1549.0 | 1557.9 |
| 37.5° | 1547.2 | 1557.9 |
| 40° | 1540.0 | 1552.6 |
| 42.5° | 1520.3 | 1529.3 |
| 45° | 1489.9 | 1500.6 |
| 47.5° | 1450.5 | 1457.7 |
| 50° | 1400.4 | 1407.5 |
| 52.5° | 1337.7 | 1339.5 |
| 55° | 1262.5 | 1269.6 |
| 57.5° | 1181.9 | 1183.7 |
| 60° | 1092.4 | 1097.7 |
| 62.5° | 997.4 | 997.4 |
| 65° | 897.1 | 900.7 |
| 67.5° | 793.2 | 802.2 |
| 70° | 687.6 | 689.4 |
| 72.5° | 583.7 | 583.7 |
| 75° | 476.3 | 478.1 |
| 77.5° | 374.2 | 374.2 |
| 80° | 277.5 | 279.3 |
| 82.5° | 191.6 | 195.2 |
| 85° | 120.0 | 120.0 |
| 87.5° | 55.5 | 50.1 |
| 90° | 21.1 | 21.1 |
| 92.5° | 84.5 | 67.7 |
| 95° | 294.6 | 243.7 |
| 97.5° | 705.6 | 608.9 |
| 100° | 1016.7 | 901.5 |
| 102.5° | 1322.6 | 1224.0 |
| 105° | 1712.6 | 1659.6 |
| 107.5° | 1968.3 | 1981.1 |
| 110° | 2065.8 | 2121.0 |



TEST NUMBER: P937166

CATALOG NUMBER: SQ4-FB-075U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2074.3 | 2159.2 |
| 115° | 2019.4 | 2137.0 |
| 117.5° | 1902.7 | 2033.3 |
| 120° | 1808.8 | 1935.6 |
| 122.5° | 1717.2 | 1842.3 |
| 125° | 1586.7 | 1701.9 |
| 127.5° | 1469.2 | 1566.4 |
| 130° | 1400.0 | 1489.8 |
| 132.5° | 1337.2 | 1417.6 |
| 135° | 1251.2 | 1320.5 |
| 137.5° | 1182.2 | 1238.9 |
| 140° | 1134.9 | 1187.9 |
| 142.5° | 1095.6 | 1141.3 |
| 145° | 1036.8 | 1071.3 |
| 147.5° | 991.6 | 1020.2 |
| 150° | 963.2 | 986.4 |
| 152.5° | 938.8 | 956.4 |
| 155° | 911.0 | 922.5 |
| 157.5° | 888.9 | 897.0 |
| 160° | 875.7 | 880.4 |
| 162.5° | 867.0 | 871.5 |
| 165° | 854.6 | 859.2 |
| 167.5° | 845.6 | 847.6 |
| 170° | 843.2 | 843.2 |
| 172.5° | 836.6 | 834.9 |
| 175° | 832.6 | 832.6 |
| 177.5° | 829.1 | 827.1 |
| 180° | 827.1 | 827.1 |



TEST NUMBER: P937166
 CATALOG NUMBER: SQ4-FB-075U-075D-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 | 3.79 | 4.64 | 4.78 | 5.65 | 6.99 | 16.97 | 17.81 | 17.96 | 18.82 | 20.17 |
| | 3H | 4.49 | 5.25 | 5.50 | 6.27 | 7.64 | 18.80 | 19.57 | 19.81 | 20.59 | 21.95 |
| | 4H | 4.79 | 5.51 | 5.81 | 6.53 | 7.91 | 19.45 | 20.17 | 20.47 | 21.19 | 22.57 |
| | 6H | 5.04 | 5.70 | 6.07 | 6.73 | 8.12 | 19.88 | 20.54 | 20.91 | 21.57 | 22.96 |
| | 8H | 5.11 | 5.74 | 6.14 | 6.79 | 8.17 | 20.00 | 20.63 | 21.03 | 21.68 | 23.06 |
| | 12H | 5.12 | 5.73 | 6.16 | 6.77 | 8.17 | 20.07 | 20.67 | 21.11 | 21.71 | 23.11 |
| 4H | 2H | 11.00 | 11.72 | 12.02 | 12.75 | 14.12 | 17.24 | 17.96 | 18.26 | 18.98 | 20.36 |
| | 3H | 12.57 | 13.17 | 13.60 | 14.22 | 15.61 | 19.28 | 19.89 | 20.32 | 20.94 | 22.32 |
| | 4H | 12.66 | 13.21 | 13.70 | 14.26 | 15.67 | 20.05 | 20.60 | 21.09 | 21.65 | 23.05 |
| | 6H | 12.67 | 13.15 | 13.72 | 14.21 | 15.62 | 20.59 | 21.06 | 21.64 | 22.13 | 23.53 |
| | 8H | 12.65 | 13.09 | 13.70 | 14.15 | 15.57 | 20.75 | 21.19 | 21.80 | 22.25 | 23.67 |
| | 12H | 12.60 | 13.01 | 13.67 | 14.08 | 15.51 | 20.84 | 21.25 | 21.91 | 22.32 | 23.74 |
| 8H | 4H | 14.10 | 14.55 | 15.16 | 15.61 | 17.03 | 20.11 | 20.55 | 21.16 | 21.61 | 23.03 |
| | 6H | 14.35 | 14.72 | 15.42 | 15.82 | 17.23 | 20.74 | 21.11 | 21.81 | 22.21 | 23.62 |
| | 8H | 14.36 | 14.69 | 15.45 | 15.77 | 17.21 | 20.96 | 21.28 | 22.04 | 22.37 | 23.80 |
| | 12H | 14.33 | 14.62 | 15.42 | 15.70 | 17.17 | 21.10 | 21.39 | 22.19 | 22.47 | 23.94 |
| 12H | 4H | 14.25 | 14.65 | 15.32 | 15.72 | 17.15 | 20.06 | 20.46 | 21.13 | 21.54 | 22.96 |
| | 6H | 14.60 | 14.93 | 15.69 | 16.01 | 17.45 | 20.72 | 21.04 | 21.80 | 22.13 | 23.56 |
| | 8H | 14.67 | 14.96 | 15.76 | 16.04 | 17.51 | 20.95 | 21.23 | 22.04 | 22.32 | 23.79 |