

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: P938403

Luminaire Tested: SQ4-FB-150U-075D-B40-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938403
REPORT IS A COMBINATION OF REPORTS P933638 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-150U-075D-B40-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

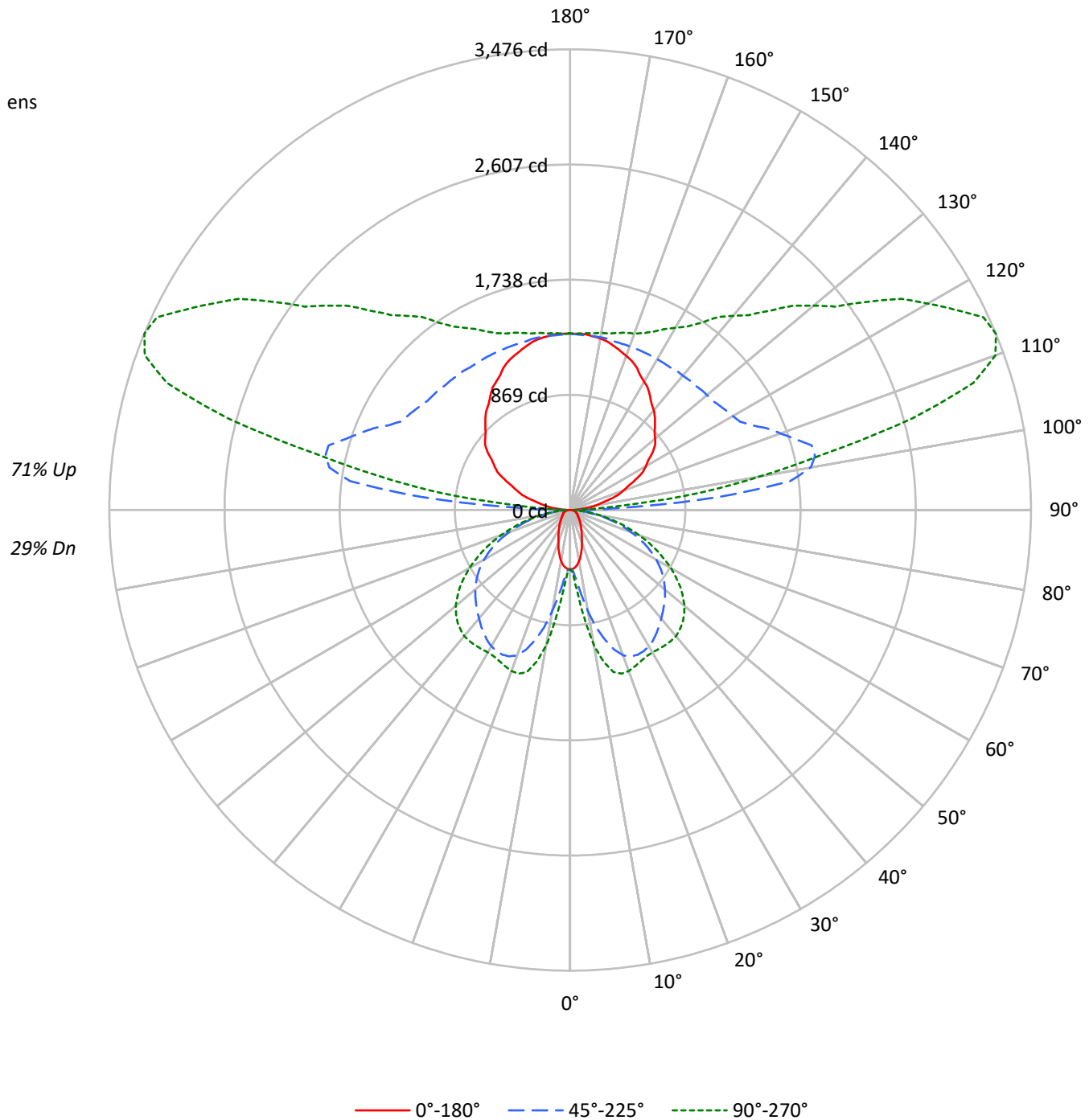
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12081.7 lumens
Efficiency: N/A
Efficacy: 126.6 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-Indirect

Input Watts (W): 95.4
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: P938403
CATALOG NUMBER: SQ4-FB-150U-075D-B40-1D-UNV-STD-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P938403

CATALOG NUMBER: SQ4-FB-150U-075D-B40-1D-UNV-STD-W-6

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2756 | 2756 | 2756 |
| 5° | 2691 | 3185 | 3704 |
| 10° | 2440 | 4641 | 6141 |
| 15° | 2073 | 6062 | 7416 |
| 20° | 1687 | 7024 | 7558 |
| 25° | 1407 | 7348 | 7405 |
| 30° | 1186 | 7392 | 7390 |
| 35° | 1048 | 7268 | 7582 |
| 40° | 913 | 7105 | 7780 |
| 45° | 826 | 6987 | 7810 |
| 50° | 757 | 6880 | 7680 |
| 55° | 725 | 6723 | 7339 |
| 60° | 741 | 6425 | 6802 |
| 65° | 769 | 5973 | 6063 |
| 70° | 818 | 5205 | 5122 |
| 75° | 902 | 4241 | 3998 |
| 80° | 980 | 2938 | 2694 |
| 85° | 853 | 1557 | 1379 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7810 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 57.6 | 0.5 |
| 10°-20° | 255.4 | 2.1 |
| 20°-30° | 446.8 | 3.7 |
| 30°-40° | 575.1 | 4.8 |
| 40°-50° | 642.4 | 5.3 |
| 50°-60° | 615.2 | 5.1 |
| 60°-70° | 487.6 | 4.0 |
| 70°-80° | 286.7 | 2.4 |
| 80°-90° | 84.7 | 0.7 |
| 90°-100° | 648.9 | 5.4 |
| 100°-110° | 1706.1 | 14.1 |
| 110°-120° | 1769.0 | 14.6 |
| 120°-130° | 1418.9 | 11.7 |
| 130°-140° | 1113.4 | 9.2 |
| 140°-150° | 854.6 | 7.1 |
| 150°-160° | 615.4 | 5.1 |
| 160°-170° | 376.6 | 3.1 |
| 170°-180° | 127.2 | 1.1 |
| 0°-30° | 759.8 | 6.3 |
| 0°-40° | 1335.0 | 11.0 |
| 0°-60° | 2592.6 | 21.5 |
| 0°-90° | 3451.6 | 28.6 |
| 90°-120° | 4124.0 | 34.1 |
| 90°-150° | 7510.9 | 62.2 |
| 90°-180° | 8630.0 | 71.4 |
| 0°-180° | 12081.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 446 | 446 | 446 | 446 | 446 | |
| 5° | 434 | 466 | 524 | 593 | 614 | 40 |
| 15° | 325 | 600 | 1011 | 1226 | 1265 | 90 |
| 25° | 208 | 680 | 1205 | 1258 | 1259 | 96 |
| 35° | 140 | 650 | 1135 | 1199 | 1246 | 88 |
| 45° | 96 | 519 | 1003 | 1149 | 1200 | 74 |
| 55° | 69 | 330 | 851 | 988 | 1016 | 63 |
| 65° | 54 | 175 | 632 | 710 | 720 | 54 |
| 75° | 40 | 107 | 347 | 381 | 382 | 42 |
| 85° | 14 | 33 | 86 | 94 | 96 | 15 |
| 90° | 9 | 25 | 68 | 34 | 34 | 8 |
| 95° | 86 | 336 | 1118 | 576 | 392 | 95 |
| 105° | 307 | 466 | 1886 | 2864 | 2671 | 326 |
| 115° | 546 | 663 | 1511 | 3014 | 3440 | 539 |
| 125° | 759 | 852 | 1374 | 2322 | 2739 | 674 |
| 135° | 905 | 996 | 1331 | 1874 | 2126 | 700 |
| 145° | 1050 | 1117 | 1314 | 1599 | 1724 | 658 |
| 155° | 1186 | 1220 | 1314 | 1443 | 1485 | 545 |
| 165° | 1280 | 1297 | 1314 | 1366 | 1383 | 361 |
| 175° | 1331 | 1331 | 1323 | 1340 | 1340 | 126 |
| 180° | 1331 | 1331 | 1331 | 1331 | 1331 | |



TEST NUMBER: P938403
 CATALOG NUMBER: SQ4-FB-150U-075D-B40-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 445.5 | 445.5 | 445.5 | 445.5 | 445.5 | 445.5 | 445.5 | 445.5 | 445.5 | 445.5 | 445.5 |
| 2.5° | 445.5 | 445.5 | 448.4 | 449.8 | 452.7 | 454.1 | 457.0 | 459.8 | 468.4 | 469.9 | 472.7 |
| 5° | 434.0 | 439.8 | 458.4 | 465.6 | 485.6 | 512.8 | 524.3 | 542.9 | 581.6 | 593.1 | 600.2 |
| 7.5° | 416.9 | 429.8 | 475.6 | 487.0 | 537.2 | 608.8 | 638.9 | 679.0 | 740.6 | 770.7 | 795.0 |
| 10° | 389.6 | 416.9 | 498.5 | 525.7 | 607.4 | 716.2 | 772.1 | 828.0 | 921.1 | 962.6 | 978.4 |
| 12.5° | 359.6 | 404.0 | 522.9 | 560.1 | 677.6 | 836.6 | 903.9 | 965.5 | 1071.5 | 1127.5 | 1136.1 |
| 15° | 325.2 | 385.3 | 545.8 | 600.2 | 752.1 | 936.9 | 1011.3 | 1087.4 | 1186.2 | 1226.3 | 1236.3 |
| 17.5° | 295.1 | 371.0 | 567.3 | 624.6 | 809.4 | 1027.1 | 1103.1 | 1166.2 | 1246.4 | 1273.6 | 1280.8 |
| 20° | 257.8 | 348.1 | 581.6 | 656.1 | 869.5 | 1093.1 | 1166.2 | 1214.9 | 1269.3 | 1286.5 | 1289.3 |
| 22.5° | 230.6 | 323.7 | 590.2 | 667.5 | 909.6 | 1133.2 | 1194.8 | 1233.5 | 1270.7 | 1276.5 | 1277.9 |
| 25° | 207.7 | 296.5 | 588.8 | 680.4 | 944.0 | 1157.6 | 1204.8 | 1233.5 | 1255.0 | 1257.8 | 1257.8 |
| 27.5° | 186.2 | 266.4 | 583.0 | 683.3 | 969.8 | 1163.3 | 1200.5 | 1220.6 | 1230.6 | 1236.3 | 1236.3 |
| 30° | 167.6 | 237.8 | 568.7 | 677.6 | 981.3 | 1157.6 | 1187.6 | 1197.7 | 1207.7 | 1216.3 | 1220.6 |
| 32.5° | 153.3 | 210.6 | 547.2 | 666.1 | 982.7 | 1143.2 | 1164.7 | 1170.4 | 1184.8 | 1204.8 | 1212.0 |
| 35° | 140.4 | 183.4 | 522.9 | 650.4 | 974.1 | 1120.3 | 1134.6 | 1140.4 | 1169.0 | 1199.1 | 1209.1 |
| 37.5° | 127.5 | 163.3 | 491.3 | 623.1 | 961.2 | 1093.1 | 1103.1 | 1113.1 | 1157.6 | 1193.4 | 1204.8 |
| 40° | 114.6 | 146.1 | 454.1 | 593.1 | 941.2 | 1060.0 | 1068.6 | 1084.4 | 1143.2 | 1184.8 | 1196.2 |
| 42.5° | 104.6 | 131.8 | 414.0 | 561.5 | 915.4 | 1022.8 | 1035.7 | 1058.6 | 1126.0 | 1170.4 | 1183.3 |
| 45° | 96.0 | 117.5 | 371.0 | 518.6 | 882.4 | 984.1 | 1002.8 | 1034.3 | 1106.0 | 1149.0 | 1160.4 |
| 47.5° | 87.4 | 107.4 | 326.6 | 474.2 | 846.6 | 945.4 | 969.8 | 1005.6 | 1078.7 | 1120.3 | 1130.3 |
| 50° | 80.2 | 97.4 | 282.2 | 426.9 | 807.9 | 903.9 | 932.6 | 969.8 | 1044.3 | 1083.0 | 1096.0 |
| 52.5° | 74.5 | 88.8 | 240.7 | 379.6 | 763.5 | 860.9 | 893.9 | 932.6 | 1002.8 | 1040.0 | 1048.6 |
| 55° | 68.8 | 81.7 | 204.8 | 329.5 | 717.7 | 815.1 | 850.9 | 888.2 | 956.9 | 988.4 | 994.2 |
| 57.5° | 65.9 | 75.9 | 174.8 | 282.2 | 669.0 | 763.5 | 803.6 | 838.0 | 902.5 | 926.8 | 932.6 |
| 60° | 61.6 | 71.6 | 151.8 | 242.1 | 616.0 | 714.8 | 749.2 | 783.6 | 838.0 | 858.1 | 862.4 |
| 62.5° | 57.3 | 68.8 | 134.7 | 203.4 | 561.5 | 657.5 | 691.9 | 723.4 | 769.3 | 783.6 | 789.3 |
| 65° | 54.4 | 65.9 | 121.8 | 174.8 | 505.7 | 597.4 | 631.7 | 658.9 | 696.2 | 710.5 | 713.4 |
| 67.5° | 51.6 | 63.0 | 111.7 | 150.4 | 449.8 | 537.2 | 563.0 | 588.8 | 617.4 | 631.7 | 633.2 |
| 70° | 47.3 | 60.2 | 103.1 | 133.2 | 392.5 | 468.4 | 489.9 | 517.1 | 540.1 | 547.2 | 551.5 |
| 72.5° | 44.4 | 55.9 | 97.4 | 120.3 | 333.8 | 402.5 | 422.6 | 438.3 | 458.4 | 465.6 | 465.6 |
| 75° | 40.1 | 50.1 | 91.7 | 107.4 | 273.6 | 329.5 | 346.7 | 362.4 | 378.2 | 381.0 | 376.7 |
| 77.5° | 35.8 | 44.4 | 78.8 | 90.2 | 213.4 | 260.7 | 275.0 | 283.6 | 296.5 | 299.4 | 300.8 |
| 80° | 30.1 | 38.7 | 61.6 | 70.2 | 154.7 | 192.0 | 202.0 | 209.1 | 220.6 | 220.6 | 223.5 |
| 82.5° | 22.9 | 30.1 | 44.4 | 50.1 | 104.6 | 131.8 | 140.4 | 144.7 | 151.8 | 151.8 | 151.8 |
| 85° | 14.3 | 18.6 | 28.6 | 32.9 | 63.0 | 80.2 | 86.0 | 87.4 | 93.1 | 94.5 | 94.5 |
| 87.5° | 7.2 | 10.0 | 18.6 | 20.1 | 32.9 | 41.5 | 41.5 | 44.4 | 44.4 | 43.0 | 41.5 |
| 90° | 9.0 | 16.1 | 23.2 | 25.0 | 39.3 | 58.4 | 67.9 | 60.4 | 45.3 | 34.0 | 34.0 |
| 92.5° | 35.7 | 96.5 | 157.3 | 172.5 | 242.5 | 335.8 | 382.4 | 335.1 | 240.7 | 169.8 | 163.0 |
| 95° | 85.8 | 196.9 | 308.2 | 336.0 | 596.6 | 944.0 | 1117.7 | 997.4 | 756.7 | 576.2 | 555.8 |
| 97.5° | 148.3 | 246.4 | 344.5 | 369.0 | 803.5 | 1382.9 | 1672.6 | 1596.6 | 1444.4 | 1330.4 | 1291.4 |
| 100° | 196.5 | 285.5 | 374.5 | 396.7 | 878.9 | 1521.8 | 1843.2 | 1848.8 | 1860.0 | 1868.3 | 1821.9 |
| 102.5° | 237.7 | 320.7 | 403.7 | 424.4 | 913.5 | 1565.4 | 1891.5 | 1988.3 | 2182.1 | 2327.4 | 2287.7 |
| 105° | 307.3 | 377.6 | 447.9 | 465.5 | 939.1 | 1570.4 | 1886.1 | 2103.3 | 2537.7 | 2863.6 | 2842.2 |
| 107.5° | 378.8 | 444.4 | 509.9 | 526.2 | 943.7 | 1500.5 | 1778.9 | 2081.9 | 2687.8 | 3142.3 | 3147.5 |
| 110° | 427.1 | 486.3 | 545.4 | 560.2 | 936.7 | 1438.5 | 1689.5 | 2028.2 | 2705.7 | 3213.8 | 3236.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 474.4 | 530.8 | 587.1 | 601.3 | 937.0 | 1384.5 | 1608.2 | 1954.9 | 2648.2 | 3168.2 | 3202.4 |
| 115° | 545.9 | 597.9 | 650.0 | 663.0 | 945.5 | 1322.4 | 1510.8 | 1844.8 | 2512.7 | 3013.6 | 3061.0 |
| 117.5° | 616.5 | 663.7 | 711.0 | 722.8 | 963.2 | 1283.6 | 1443.9 | 1745.3 | 2348.0 | 2800.1 | 2852.6 |
| 120° | 657.6 | 702.1 | 746.6 | 757.7 | 977.4 | 1270.5 | 1417.0 | 1692.5 | 2243.2 | 2656.2 | 2707.2 |
| 122.5° | 697.8 | 742.7 | 787.6 | 798.8 | 998.0 | 1263.7 | 1396.5 | 1644.5 | 2140.4 | 2512.4 | 2562.7 |
| 125° | 759.4 | 800.3 | 841.3 | 851.5 | 1025.7 | 1258.0 | 1374.1 | 1584.8 | 2006.1 | 2322.1 | 2368.4 |
| 127.5° | 809.5 | 850.7 | 892.1 | 902.4 | 1053.4 | 1254.7 | 1355.3 | 1536.2 | 1898.0 | 2169.3 | 2208.4 |
| 130° | 836.3 | 880.8 | 925.3 | 936.4 | 1073.7 | 1256.8 | 1348.3 | 1509.3 | 1831.3 | 2072.8 | 2108.9 |
| 132.5° | 864.0 | 908.5 | 953.0 | 964.1 | 1090.0 | 1258.0 | 1342.0 | 1486.1 | 1774.4 | 1990.6 | 2023.0 |
| 135° | 905.1 | 945.5 | 986.1 | 996.3 | 1107.9 | 1256.8 | 1331.3 | 1452.0 | 1693.4 | 1874.5 | 1902.4 |
| 137.5° | 947.1 | 987.2 | 1027.3 | 1037.3 | 1134.7 | 1264.5 | 1329.5 | 1431.5 | 1635.6 | 1788.7 | 1811.5 |
| 140° | 981.9 | 1018.9 | 1055.8 | 1065.0 | 1151.1 | 1265.9 | 1323.2 | 1411.4 | 1587.7 | 1720.0 | 1741.3 |
| 142.5° | 1008.7 | 1042.9 | 1077.0 | 1085.5 | 1164.8 | 1270.4 | 1323.2 | 1400.7 | 1555.5 | 1671.6 | 1690.0 |
| 145° | 1049.8 | 1079.6 | 1109.4 | 1116.9 | 1182.7 | 1270.4 | 1314.3 | 1377.6 | 1504.3 | 1599.3 | 1613.2 |
| 147.5° | 1090.9 | 1119.9 | 1148.9 | 1156.1 | 1208.8 | 1279.1 | 1314.3 | 1364.1 | 1463.7 | 1538.5 | 1550.1 |
| 150° | 1117.7 | 1143.9 | 1170.1 | 1176.7 | 1222.5 | 1283.7 | 1314.3 | 1356.4 | 1440.5 | 1503.6 | 1513.0 |
| 152.5° | 1145.4 | 1165.3 | 1185.2 | 1190.1 | 1231.5 | 1286.7 | 1314.3 | 1350.2 | 1422.1 | 1476.0 | 1483.0 |
| 155° | 1186.5 | 1201.2 | 1215.9 | 1219.5 | 1251.1 | 1293.3 | 1314.3 | 1342.8 | 1400.0 | 1442.9 | 1447.6 |
| 157.5° | 1216.9 | 1231.2 | 1245.5 | 1249.0 | 1270.8 | 1299.8 | 1314.3 | 1336.5 | 1381.0 | 1414.4 | 1417.6 |
| 160° | 1237.5 | 1248.6 | 1259.6 | 1262.4 | 1279.7 | 1302.7 | 1314.3 | 1333.4 | 1371.5 | 1400.0 | 1401.9 |
| 162.5° | 1258.0 | 1266.3 | 1274.6 | 1276.7 | 1289.2 | 1306.0 | 1314.3 | 1330.3 | 1362.5 | 1386.7 | 1388.5 |
| 165° | 1280.4 | 1287.9 | 1295.4 | 1297.3 | 1302.9 | 1310.5 | 1314.3 | 1325.8 | 1348.8 | 1366.1 | 1368.0 |
| 167.5° | 1300.9 | 1304.4 | 1308.1 | 1308.9 | 1313.7 | 1320.1 | 1323.2 | 1330.8 | 1345.9 | 1357.2 | 1357.9 |
| 170° | 1314.3 | 1317.8 | 1321.4 | 1322.3 | 1322.6 | 1323.1 | 1323.2 | 1330.8 | 1345.9 | 1357.2 | 1357.2 |
| 172.5° | 1321.4 | 1322.2 | 1323.1 | 1323.2 | 1323.2 | 1323.2 | 1323.2 | 1329.2 | 1341.1 | 1350.0 | 1349.3 |
| 175° | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1328.6 | 1325.1 | 1323.2 | 1327.0 | 1334.5 | 1340.2 | 1340.2 |
| 177.5° | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1329.2 | 1326.4 | 1325.0 | 1327.9 | 1333.9 | 1338.4 | 1337.7 |
| 180° | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1331.3 | 1331.3 |



TEST NUMBER: P938403

CATALOG NUMBER: SQ4-FB-150U-075D-B40-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 445.5 | 445.5 |
| 2.5° | 475.6 | 472.7 |
| 5° | 611.7 | 614.5 |
| 7.5° | 823.7 | 822.3 |
| 10° | 1024.2 | 1037.1 |
| 12.5° | 1170.4 | 1173.3 |
| 15° | 1259.3 | 1265.0 |
| 17.5° | 1293.6 | 1295.1 |
| 20° | 1295.1 | 1292.2 |
| 22.5° | 1279.3 | 1276.5 |
| 25° | 1260.7 | 1259.3 |
| 27.5° | 1243.5 | 1244.9 |
| 30° | 1236.3 | 1240.6 |
| 32.5° | 1236.3 | 1243.5 |
| 35° | 1239.2 | 1246.4 |
| 37.5° | 1237.8 | 1246.4 |
| 40° | 1232.0 | 1242.1 |
| 42.5° | 1216.3 | 1223.5 |
| 45° | 1191.9 | 1200.5 |
| 47.5° | 1160.4 | 1166.2 |
| 50° | 1120.3 | 1126.0 |
| 52.5° | 1070.1 | 1071.5 |
| 55° | 1009.9 | 1015.6 |
| 57.5° | 945.4 | 946.9 |
| 60° | 873.8 | 878.1 |
| 62.5° | 797.9 | 797.9 |
| 65° | 717.7 | 720.5 |
| 67.5° | 634.6 | 641.8 |
| 70° | 550.1 | 551.5 |
| 72.5° | 467.0 | 467.0 |
| 75° | 381.0 | 382.5 |
| 77.5° | 299.4 | 299.4 |
| 80° | 222.0 | 223.5 |
| 82.5° | 153.3 | 156.1 |
| 85° | 96.0 | 96.0 |
| 87.5° | 44.4 | 40.1 |
| 90° | 34.0 | 34.0 |
| 92.5° | 136.0 | 109.0 |
| 95° | 474.0 | 392.2 |
| 97.5° | 1135.8 | 980.1 |
| 100° | 1636.5 | 1451.0 |
| 102.5° | 2128.9 | 1970.1 |
| 105° | 2756.8 | 2671.4 |
| 107.5° | 3168.1 | 3188.7 |
| 110° | 3324.9 | 3413.9 |



TEST NUMBER: P938403

CATALOG NUMBER: SQ4-FB-150U-075D-B40-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3339.0 | 3475.5 |
| 115° | 3250.3 | 3439.8 |
| 117.5° | 3062.7 | 3272.8 |
| 120° | 2911.4 | 3115.5 |
| 122.5° | 2764.1 | 2965.4 |
| 125° | 2553.9 | 2739.3 |
| 127.5° | 2364.9 | 2521.4 |
| 130° | 2253.5 | 2398.0 |
| 132.5° | 2152.4 | 2281.9 |
| 135° | 2014.0 | 2125.5 |
| 137.5° | 1902.9 | 1994.2 |
| 140° | 1826.6 | 1912.0 |
| 142.5° | 1763.5 | 1836.9 |
| 145° | 1668.8 | 1724.3 |
| 147.5° | 1596.1 | 1642.2 |
| 150° | 1550.3 | 1587.7 |
| 152.5° | 1511.2 | 1539.5 |
| 155° | 1466.2 | 1484.9 |
| 157.5° | 1430.8 | 1443.9 |
| 160° | 1409.5 | 1417.0 |
| 162.5° | 1395.5 | 1402.7 |
| 165° | 1375.5 | 1383.0 |
| 167.5° | 1361.2 | 1364.3 |
| 170° | 1357.2 | 1357.2 |
| 172.5° | 1346.6 | 1343.8 |
| 175° | 1340.2 | 1340.2 |
| 177.5° | 1334.4 | 1331.3 |
| 180° | 1331.3 | 1331.3 |



TEST NUMBER: P938403
 CATALOG NUMBER: SQ4-FB-150U-075D-B40-1D-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 | 2.13 | 2.85 | 3.25 | 3.96 | 5.51 | 15.30 | 16.01 | 16.41 | 17.13 | 18.67 |
| | 3H | 2.83 | 3.47 | 3.95 | 4.59 | 6.15 | 17.12 | 17.76 | 18.25 | 18.89 | 20.45 |
| | 4H | 3.12 | 3.73 | 4.25 | 4.85 | 6.42 | 17.76 | 18.37 | 18.89 | 19.49 | 21.06 |
| | 6H | 3.36 | 3.92 | 4.51 | 5.05 | 6.63 | 18.17 | 18.74 | 19.32 | 19.86 | 21.44 |
| | 8H | 3.43 | 3.96 | 4.57 | 5.10 | 6.67 | 18.29 | 18.82 | 19.43 | 19.97 | 21.54 |
| | 12H | 3.44 | 3.95 | 4.59 | 5.08 | 6.68 | 18.35 | 18.86 | 19.50 | 19.99 | 21.59 |
| 4H | 2H | 9.32 | 9.93 | 10.46 | 11.06 | 12.62 | 15.56 | 16.17 | 16.70 | 17.29 | 18.86 |
| | 3H | 10.88 | 11.39 | 12.02 | 12.54 | 14.12 | 17.58 | 18.09 | 18.73 | 19.24 | 20.82 |
| | 4H | 10.97 | 11.43 | 12.12 | 12.57 | 14.17 | 18.34 | 18.81 | 19.49 | 19.95 | 21.55 |
| | 6H | 10.97 | 11.37 | 12.12 | 12.53 | 14.12 | 18.87 | 19.27 | 20.02 | 20.43 | 22.02 |
| | 8H | 10.94 | 11.32 | 12.10 | 12.47 | 14.08 | 19.02 | 19.40 | 20.18 | 20.55 | 22.16 |
| | 12H | 10.89 | 11.23 | 12.06 | 12.39 | 14.01 | 19.10 | 19.45 | 20.28 | 20.61 | 22.22 |
| 8H | 4H | 12.39 | 12.77 | 13.55 | 13.92 | 15.53 | 18.39 | 18.76 | 19.54 | 19.92 | 21.52 |
| | 6H | 12.63 | 12.94 | 13.81 | 14.13 | 15.74 | 19.00 | 19.32 | 20.18 | 20.51 | 22.11 |
| | 8H | 12.65 | 12.92 | 13.83 | 14.09 | 15.71 | 19.22 | 19.49 | 20.40 | 20.66 | 22.29 |
| | 12H | 12.61 | 12.84 | 13.79 | 14.02 | 15.67 | 19.35 | 19.59 | 20.54 | 20.76 | 22.42 |
| 12H | 4H | 12.53 | 12.87 | 13.70 | 14.03 | 15.65 | 18.33 | 18.67 | 19.51 | 19.84 | 21.45 |
| | 6H | 12.88 | 13.16 | 14.07 | 14.33 | 15.95 | 18.99 | 19.26 | 20.17 | 20.43 | 22.05 |
| | 8H | 12.95 | 13.19 | 14.13 | 14.36 | 16.01 | 19.21 | 19.44 | 20.39 | 20.62 | 22.27 |