

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: P936787

Luminaire Tested: SQ4-FB-050U-075D-B2750-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936787
REPORT IS A COMBINATION OF REPORTS P933478 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-075D-B2750-1D-UNV-STD-W-6-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

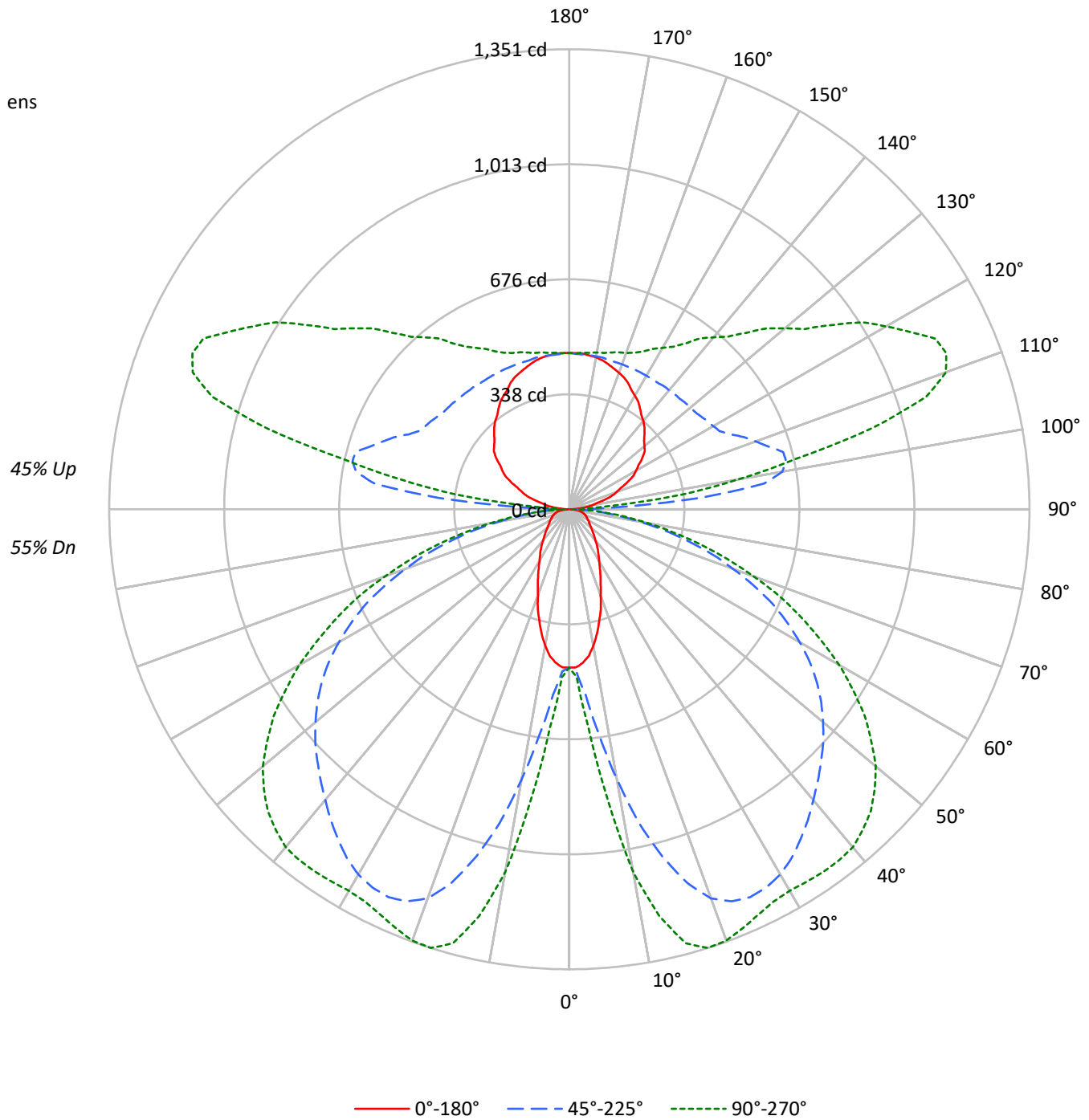
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6570.6 lumens
Efficiency: N/A
Efficacy: 120.3 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): 54.6
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: P936787
CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-STD-W-6-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P936787

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-STD-W-6-2700K

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 73 | 73 | 73 | 60 | 60 | 60 | 55 |
| 1 | 98 | 94 | 89 | 86 | 91 | 87 | 83 | 80 | 75 | 72 | 69 | 63 | 61 | 59 | 53 | 51 | 50 | 45 |
| 2 | 89 | 81 | 74 | 69 | 82 | 75 | 70 | 65 | 65 | 60 | 56 | 55 | 51 | 49 | 45 | 43 | 41 | 37 |
| 3 | 81 | 71 | 63 | 57 | 74 | 66 | 59 | 53 | 56 | 51 | 47 | 48 | 44 | 40 | 40 | 37 | 34 | 30 |
| 4 | 73 | 62 | 54 | 47 | 68 | 58 | 50 | 45 | 50 | 44 | 39 | 42 | 38 | 34 | 35 | 32 | 29 | 25 |
| 5 | 67 | 55 | 46 | 40 | 62 | 51 | 44 | 38 | 44 | 38 | 33 | 37 | 33 | 29 | 31 | 28 | 25 | 21 |
| 6 | 62 | 49 | 40 | 34 | 57 | 46 | 38 | 32 | 39 | 33 | 29 | 33 | 29 | 25 | 28 | 24 | 21 | 18 |
| 7 | 57 | 44 | 36 | 30 | 52 | 41 | 34 | 28 | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 16 |
| 8 | 53 | 40 | 32 | 26 | 49 | 37 | 30 | 25 | 32 | 26 | 22 | 27 | 23 | 19 | 23 | 19 | 16 | 14 |
| 9 | 49 | 36 | 28 | 23 | 45 | 34 | 27 | 22 | 29 | 23 | 19 | 25 | 20 | 17 | 21 | 17 | 15 | 12 |
| 10 | 46 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 27 | 21 | 17 | 23 | 18 | 15 | 19 | 16 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2874 | 2874 | 2874 |
| 5° | 2807 | 3321 | 3863 |
| 10° | 2545 | 4840 | 6405 |
| 15° | 2162 | 6322 | 7735 |
| 20° | 1760 | 7325 | 7883 |
| 25° | 1467 | 7664 | 7722 |
| 30° | 1237 | 7710 | 7708 |
| 35° | 1093 | 7580 | 7907 |
| 40° | 952 | 7411 | 8113 |
| 45° | 861 | 7287 | 8145 |
| 50° | 790 | 7175 | 8010 |
| 55° | 755 | 7011 | 7654 |
| 60° | 772 | 6701 | 7094 |
| 65° | 803 | 6230 | 6324 |
| 70° | 853 | 5428 | 5342 |
| 75° | 941 | 4422 | 4169 |
| 80° | 1022 | 3064 | 2810 |
| 85° | 888 | 1622 | 1438 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8145 cd/sqm



TEST NUMBER: P936787

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 60.1 | 0.9 |
| 10°-20° | 266.4 | 4.1 |
| 20°-30° | 466.0 | 7.1 |
| 30°-40° | 599.8 | 9.1 |
| 40°-50° | 670.0 | 10.2 |
| 50°-60° | 641.7 | 9.8 |
| 60°-70° | 508.5 | 7.7 |
| 70°-80° | 299.0 | 4.6 |
| 80°-90° | 84.8 | 1.3 |
| 90°-100° | 223.7 | 3.4 |
| 100°-110° | 588.0 | 8.9 |
| 110°-120° | 609.7 | 9.3 |
| 120°-130° | 489.0 | 7.4 |
| 130°-140° | 383.7 | 5.8 |
| 140°-150° | 294.5 | 4.5 |
| 150°-160° | 212.1 | 3.2 |
| 160°-170° | 129.8 | 2.0 |
| 170°-180° | 43.8 | 0.7 |
| 0°-30° | 792.4 | 12.1 |
| 0°-40° | 1392.3 | 21.2 |
| 0°-60° | 2703.9 | 41.2 |
| 0°-90° | 3596.2 | 54.7 |
| 90°-120° | 1421.3 | 21.6 |
| 90°-150° | 2588.6 | 39.4 |
| 90°-180° | 2974.0 | 45.3 |
| 0°-180° | 6570.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 465 | 465 | 465 | 465 | 465 | |
| 5° | 453 | 486 | 547 | 618 | 641 | 42 |
| 15° | 339 | 626 | 1055 | 1279 | 1319 | 94 |
| 25° | 217 | 710 | 1257 | 1312 | 1313 | 100 |
| 35° | 146 | 678 | 1183 | 1251 | 1300 | 91 |
| 45° | 100 | 541 | 1046 | 1198 | 1252 | 77 |
| 55° | 72 | 344 | 887 | 1031 | 1059 | 65 |
| 65° | 57 | 182 | 659 | 741 | 752 | 56 |
| 75° | 42 | 112 | 362 | 397 | 399 | 44 |
| 85° | 15 | 34 | 90 | 99 | 100 | 16 |
| 90° | 3 | 9 | 23 | 12 | 12 | 4 |
| 95° | 30 | 116 | 385 | 199 | 135 | 33 |
| 105° | 106 | 160 | 650 | 987 | 921 | 112 |
| 115° | 188 | 228 | 521 | 1039 | 1186 | 186 |
| 125° | 262 | 293 | 474 | 800 | 944 | 232 |
| 135° | 312 | 343 | 459 | 646 | 733 | 241 |
| 145° | 362 | 385 | 453 | 551 | 594 | 227 |
| 155° | 409 | 420 | 453 | 497 | 512 | 188 |
| 165° | 441 | 447 | 453 | 471 | 477 | 125 |
| 175° | 459 | 459 | 456 | 462 | 462 | 44 |
| 180° | 459 | 459 | 459 | 459 | 459 | |



TEST NUMBER: P936787

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 464.6 | 464.6 | 464.6 | 464.6 | 464.6 | 464.6 | 464.6 | 464.6 | 464.6 | 464.6 | 464.6 |
| 2.5° | 464.6 | 464.6 | 467.6 | 469.1 | 472.1 | 473.6 | 476.6 | 479.6 | 488.5 | 490.0 | 493.0 |
| 5° | 452.7 | 458.7 | 478.1 | 485.6 | 506.5 | 534.9 | 546.8 | 566.2 | 606.6 | 618.5 | 626.0 |
| 7.5° | 434.8 | 448.2 | 496.0 | 508.0 | 560.2 | 635.0 | 666.3 | 708.2 | 772.4 | 803.8 | 829.2 |
| 10° | 406.4 | 434.8 | 519.9 | 548.3 | 633.5 | 747.0 | 805.3 | 863.5 | 960.6 | 1004.0 | 1020.4 |
| 12.5° | 375.0 | 421.3 | 545.3 | 584.2 | 706.7 | 872.5 | 942.7 | 1007.0 | 1117.5 | 1175.9 | 1184.8 |
| 15° | 339.1 | 401.9 | 569.2 | 626.0 | 784.4 | 977.1 | 1054.8 | 1134.0 | 1237.1 | 1279.0 | 1289.4 |
| 17.5° | 307.8 | 386.9 | 591.6 | 651.4 | 844.1 | 1071.2 | 1150.5 | 1216.2 | 1299.9 | 1328.3 | 1335.7 |
| 20° | 268.9 | 363.0 | 606.6 | 684.3 | 906.9 | 1140.0 | 1216.2 | 1267.0 | 1323.8 | 1341.7 | 1344.7 |
| 22.5° | 240.5 | 337.6 | 615.5 | 696.2 | 948.7 | 1181.9 | 1246.1 | 1286.4 | 1325.3 | 1331.3 | 1332.7 |
| 25° | 216.6 | 309.3 | 614.0 | 709.6 | 984.5 | 1207.3 | 1256.6 | 1286.4 | 1308.8 | 1311.8 | 1311.8 |
| 27.5° | 194.2 | 277.9 | 608.1 | 712.6 | 1011.4 | 1213.2 | 1252.1 | 1273.0 | 1283.4 | 1289.4 | 1289.4 |
| 30° | 174.8 | 248.0 | 593.1 | 706.7 | 1023.4 | 1207.3 | 1238.6 | 1249.1 | 1259.5 | 1268.5 | 1273.0 |
| 32.5° | 159.9 | 219.6 | 570.7 | 694.7 | 1024.9 | 1192.3 | 1214.7 | 1220.7 | 1235.6 | 1256.6 | 1264.0 |
| 35° | 146.4 | 191.2 | 545.3 | 678.3 | 1015.9 | 1168.4 | 1183.3 | 1189.3 | 1219.2 | 1250.6 | 1261.0 |
| 37.5° | 133.0 | 170.3 | 512.4 | 649.9 | 1002.5 | 1140.0 | 1150.5 | 1160.9 | 1207.3 | 1244.6 | 1256.6 |
| 40° | 119.5 | 152.4 | 473.6 | 618.5 | 981.6 | 1105.6 | 1114.5 | 1131.0 | 1192.3 | 1235.6 | 1247.6 |
| 42.5° | 109.1 | 137.4 | 431.8 | 585.6 | 954.7 | 1066.7 | 1080.2 | 1104.1 | 1174.4 | 1220.7 | 1234.1 |
| 45° | 100.1 | 122.5 | 386.9 | 540.8 | 920.3 | 1026.4 | 1045.8 | 1078.7 | 1153.5 | 1198.3 | 1210.2 |
| 47.5° | 91.1 | 112.0 | 340.6 | 494.5 | 883.0 | 986.0 | 1011.4 | 1048.8 | 1125.0 | 1168.4 | 1178.9 |
| 50° | 83.7 | 101.6 | 294.3 | 445.2 | 842.6 | 942.7 | 972.6 | 1011.4 | 1089.1 | 1129.5 | 1143.0 |
| 52.5° | 77.7 | 92.6 | 251.0 | 395.9 | 796.3 | 897.9 | 932.3 | 972.6 | 1045.8 | 1084.6 | 1093.6 |
| 55° | 71.7 | 85.2 | 213.6 | 343.6 | 748.5 | 850.1 | 887.4 | 926.3 | 998.0 | 1030.9 | 1036.8 |
| 57.5° | 68.7 | 79.2 | 182.3 | 294.3 | 697.7 | 796.3 | 838.1 | 874.0 | 941.2 | 966.6 | 972.6 |
| 60° | 64.2 | 74.7 | 158.4 | 252.5 | 642.4 | 745.5 | 781.4 | 817.2 | 874.0 | 894.9 | 899.4 |
| 62.5° | 59.8 | 71.7 | 140.4 | 212.1 | 585.6 | 685.7 | 721.6 | 754.5 | 802.3 | 817.2 | 823.2 |
| 65° | 56.8 | 68.7 | 127.0 | 182.3 | 527.4 | 623.0 | 658.9 | 687.2 | 726.1 | 741.0 | 744.0 |
| 67.5° | 53.8 | 65.7 | 116.5 | 156.9 | 469.1 | 560.2 | 587.1 | 614.0 | 643.9 | 658.9 | 660.3 |
| 70° | 49.3 | 62.7 | 107.6 | 138.9 | 409.4 | 488.5 | 510.9 | 539.3 | 563.2 | 570.7 | 575.2 |
| 72.5° | 46.3 | 58.3 | 101.6 | 125.5 | 348.1 | 419.8 | 440.7 | 457.2 | 478.1 | 485.6 | 485.6 |
| 75° | 41.8 | 52.3 | 95.6 | 112.0 | 285.4 | 343.6 | 361.5 | 378.0 | 394.4 | 397.4 | 392.9 |
| 77.5° | 37.4 | 46.3 | 82.2 | 94.1 | 222.6 | 271.9 | 286.8 | 295.8 | 309.3 | 312.2 | 313.7 |
| 80° | 31.4 | 40.3 | 64.2 | 73.2 | 161.4 | 200.2 | 210.7 | 218.1 | 230.1 | 230.1 | 233.1 |
| 82.5° | 23.9 | 31.4 | 46.3 | 52.3 | 109.1 | 137.4 | 146.4 | 150.9 | 158.4 | 158.4 | 158.4 |
| 85° | 14.9 | 19.4 | 29.9 | 34.4 | 65.7 | 83.7 | 89.6 | 91.1 | 97.1 | 98.6 | 98.6 |
| 87.5° | 7.5 | 10.5 | 19.4 | 20.9 | 34.4 | 43.3 | 43.3 | 46.3 | 46.3 | 44.8 | 43.3 |
| 90° | 3.1 | 5.6 | 8.1 | 8.7 | 13.5 | 20.1 | 23.4 | 20.8 | 15.5 | 11.7 | 11.7 |
| 92.5° | 12.4 | 33.3 | 54.2 | 59.5 | 83.6 | 115.7 | 131.8 | 115.4 | 82.9 | 58.5 | 56.2 |
| 95° | 29.6 | 67.8 | 106.2 | 115.7 | 205.6 | 325.4 | 385.3 | 343.8 | 260.9 | 198.6 | 191.5 |
| 97.5° | 51.1 | 85.0 | 118.7 | 127.2 | 277.0 | 476.7 | 576.5 | 550.3 | 497.8 | 458.5 | 445.0 |
| 100° | 67.7 | 98.4 | 129.1 | 136.8 | 302.9 | 524.5 | 635.2 | 637.1 | 641.0 | 643.9 | 628.0 |
| 102.5° | 81.9 | 110.6 | 139.1 | 146.3 | 314.8 | 539.5 | 651.9 | 685.2 | 752.1 | 802.2 | 788.5 |
| 105° | 106.0 | 130.2 | 154.4 | 160.5 | 323.6 | 541.2 | 650.0 | 724.9 | 874.6 | 986.9 | 979.6 |
| 107.5° | 130.6 | 153.2 | 175.7 | 181.4 | 325.3 | 517.1 | 613.0 | 717.4 | 926.3 | 1083.0 | 1084.7 |
| 110° | 147.2 | 167.5 | 187.9 | 193.0 | 322.8 | 495.8 | 582.3 | 699.0 | 932.6 | 1107.7 | 1115.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 112.5° | 163.5 | 183.0 | 202.4 | 207.3 | 322.9 | 477.2 | 554.3 | 673.8 | 912.7 | 1091.9 | 1103.7 |
| 115° | 188.1 | 206.1 | 224.0 | 228.5 | 325.9 | 455.8 | 520.7 | 635.8 | 866.0 | 1038.6 | 1055.0 |
| 117.5° | 212.4 | 228.8 | 245.0 | 249.1 | 332.0 | 442.4 | 497.6 | 601.5 | 809.2 | 965.0 | 983.2 |
| 120° | 226.6 | 241.9 | 257.3 | 261.2 | 336.8 | 437.8 | 488.3 | 583.3 | 773.1 | 915.4 | 933.1 |
| 122.5° | 240.5 | 256.0 | 271.4 | 275.3 | 343.9 | 435.5 | 481.3 | 566.7 | 737.7 | 865.9 | 883.3 |
| 125° | 261.7 | 275.8 | 289.9 | 293.4 | 353.5 | 433.6 | 473.6 | 546.2 | 691.4 | 800.3 | 816.2 |
| 127.5° | 279.0 | 293.2 | 307.5 | 311.1 | 363.0 | 432.5 | 467.1 | 529.5 | 654.1 | 747.6 | 761.0 |
| 130° | 288.2 | 303.6 | 318.9 | 322.7 | 370.0 | 433.1 | 464.6 | 520.1 | 631.2 | 714.4 | 726.9 |
| 132.5° | 297.8 | 313.1 | 328.5 | 332.3 | 375.7 | 433.6 | 462.5 | 512.2 | 611.5 | 686.0 | 697.2 |
| 135° | 311.9 | 325.9 | 339.8 | 343.3 | 381.9 | 433.2 | 458.9 | 500.5 | 583.7 | 646.0 | 655.7 |
| 137.5° | 326.4 | 340.2 | 354.0 | 357.5 | 391.0 | 435.8 | 458.2 | 493.3 | 563.6 | 616.4 | 624.3 |
| 140° | 338.4 | 351.2 | 363.8 | 367.0 | 396.7 | 436.2 | 456.1 | 486.4 | 547.2 | 592.7 | 600.1 |
| 142.5° | 347.6 | 359.4 | 371.1 | 374.1 | 401.4 | 437.8 | 456.1 | 482.8 | 536.0 | 576.1 | 582.5 |
| 145° | 361.8 | 372.1 | 382.4 | 385.0 | 407.7 | 437.8 | 453.0 | 474.8 | 518.4 | 551.2 | 556.0 |
| 147.5° | 376.0 | 386.0 | 396.0 | 398.5 | 416.6 | 440.8 | 453.0 | 470.1 | 504.5 | 530.3 | 534.3 |
| 150° | 385.3 | 394.3 | 403.3 | 405.6 | 421.4 | 442.4 | 453.0 | 467.5 | 496.5 | 518.2 | 521.4 |
| 152.5° | 394.7 | 401.6 | 408.5 | 410.2 | 424.4 | 443.4 | 453.0 | 465.3 | 490.1 | 508.7 | 511.0 |
| 155° | 409.0 | 414.0 | 419.0 | 420.3 | 431.2 | 445.7 | 453.0 | 462.8 | 482.6 | 497.3 | 498.9 |
| 157.5° | 419.4 | 424.3 | 429.3 | 430.5 | 437.9 | 448.0 | 453.0 | 460.6 | 476.0 | 487.4 | 488.5 |
| 160° | 426.5 | 430.3 | 434.1 | 435.1 | 441.0 | 449.0 | 453.0 | 459.6 | 472.7 | 482.6 | 483.2 |
| 162.5° | 433.6 | 436.4 | 439.3 | 440.0 | 444.3 | 450.1 | 453.0 | 458.6 | 469.6 | 477.9 | 478.5 |
| 165° | 441.2 | 443.8 | 446.4 | 447.1 | 449.1 | 451.7 | 453.0 | 457.0 | 464.8 | 470.8 | 471.5 |
| 167.5° | 448.3 | 449.5 | 450.8 | 451.1 | 452.8 | 455.0 | 456.1 | 458.7 | 463.8 | 467.7 | 468.0 |
| 170° | 453.0 | 454.2 | 455.5 | 455.8 | 455.9 | 456.0 | 456.1 | 458.7 | 463.8 | 467.7 | 467.7 |
| 172.5° | 455.5 | 455.8 | 456.0 | 456.1 | 456.1 | 456.1 | 456.1 | 458.1 | 462.1 | 465.2 | 465.0 |
| 175° | 458.9 | 458.9 | 458.9 | 458.9 | 458.0 | 456.7 | 456.1 | 457.4 | 460.0 | 461.8 | 461.8 |
| 177.5° | 458.9 | 458.9 | 458.9 | 458.9 | 458.2 | 457.2 | 456.7 | 457.7 | 459.8 | 461.2 | 460.9 |
| 180° | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 | 458.9 |



TEST NUMBER: P936787

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 464.6 | 464.6 |
| 2.5° | 496.0 | 493.0 |
| 5° | 637.9 | 640.9 |
| 7.5° | 859.0 | 857.6 |
| 10° | 1068.2 | 1081.7 |
| 12.5° | 1220.7 | 1223.7 |
| 15° | 1313.3 | 1319.3 |
| 17.5° | 1349.2 | 1350.7 |
| 20° | 1350.7 | 1347.7 |
| 22.5° | 1334.2 | 1331.3 |
| 25° | 1314.8 | 1313.3 |
| 27.5° | 1296.9 | 1298.4 |
| 30° | 1289.4 | 1293.9 |
| 32.5° | 1289.4 | 1296.9 |
| 35° | 1292.4 | 1299.9 |
| 37.5° | 1290.9 | 1299.9 |
| 40° | 1284.9 | 1295.4 |
| 42.5° | 1268.5 | 1276.0 |
| 45° | 1243.1 | 1252.1 |
| 47.5° | 1210.2 | 1216.2 |
| 50° | 1168.4 | 1174.4 |
| 52.5° | 1116.0 | 1117.5 |
| 55° | 1053.3 | 1059.2 |
| 57.5° | 986.0 | 987.5 |
| 60° | 911.3 | 915.8 |
| 62.5° | 832.2 | 832.2 |
| 65° | 748.5 | 751.5 |
| 67.5° | 661.8 | 669.3 |
| 70° | 573.7 | 575.2 |
| 72.5° | 487.0 | 487.0 |
| 75° | 397.4 | 398.9 |
| 77.5° | 312.2 | 312.2 |
| 80° | 231.6 | 233.1 |
| 82.5° | 159.9 | 162.8 |
| 85° | 100.1 | 100.1 |
| 87.5° | 46.3 | 41.8 |
| 90° | 11.7 | 11.7 |
| 92.5° | 46.8 | 37.5 |
| 95° | 163.3 | 135.2 |
| 97.5° | 391.4 | 337.8 |
| 100° | 564.0 | 500.1 |
| 102.5° | 733.8 | 679.0 |
| 105° | 950.2 | 920.7 |
| 107.5° | 1091.8 | 1099.0 |
| 110° | 1145.9 | 1176.6 |



TEST NUMBER: P936787

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-STD-W-6-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1150.8 | 1197.8 |
| 115° | 1120.2 | 1185.5 |
| 117.5° | 1055.6 | 1128.0 |
| 120° | 1003.4 | 1073.8 |
| 122.5° | 952.7 | 1022.0 |
| 125° | 880.2 | 944.1 |
| 127.5° | 815.0 | 869.0 |
| 130° | 776.7 | 826.5 |
| 132.5° | 741.8 | 786.4 |
| 135° | 694.1 | 732.6 |
| 137.5° | 655.9 | 687.3 |
| 140° | 629.5 | 659.0 |
| 142.5° | 607.8 | 633.1 |
| 145° | 575.2 | 594.3 |
| 147.5° | 550.1 | 565.9 |
| 150° | 534.4 | 547.2 |
| 152.5° | 520.8 | 530.6 |
| 155° | 505.4 | 511.7 |
| 157.5° | 493.1 | 497.6 |
| 160° | 485.7 | 488.3 |
| 162.5° | 481.0 | 483.5 |
| 165° | 474.1 | 476.7 |
| 167.5° | 469.1 | 470.2 |
| 170° | 467.7 | 467.7 |
| 172.5° | 464.0 | 463.1 |
| 175° | 461.8 | 461.8 |
| 177.5° | 460.0 | 458.9 |
| 180° | 458.9 | 458.9 |



TEST NUMBER: P936787

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-STD-W-6-2700K

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 | 5.09 | 6.04 | 6.00 | 6.97 | 8.17 | 18.25 | 19.20 | 19.16 | 20.14 | 21.33 |
| | 3H | 5.80 | 6.66 | 6.72 | 7.60 | 8.82 | 20.10 | 20.95 | 21.01 | 21.89 | 23.11 |
| | 4H | 6.10 | 6.91 | 7.04 | 7.86 | 9.09 | 20.74 | 21.55 | 21.67 | 22.50 | 23.73 |
| | 6H | 6.36 | 7.11 | 7.30 | 8.06 | 9.30 | 21.17 | 21.92 | 22.12 | 22.87 | 24.12 |
| | 8H | 6.43 | 7.14 | 7.38 | 8.11 | 9.35 | 21.29 | 22.00 | 22.25 | 22.97 | 24.22 |
| | 12H | 6.45 | 7.13 | 7.41 | 8.09 | 9.36 | 21.36 | 22.04 | 22.32 | 23.00 | 24.27 |
| 4H | 2H | 12.31 | 13.12 | 13.25 | 14.06 | 15.29 | 18.54 | 19.35 | 19.48 | 20.29 | 21.53 |
| | 3H | 13.88 | 14.56 | 14.83 | 15.54 | 16.78 | 20.59 | 21.27 | 21.54 | 22.24 | 23.49 |
| | 4H | 13.98 | 14.60 | 14.94 | 15.57 | 16.84 | 21.36 | 21.98 | 22.32 | 22.95 | 24.22 |
| | 6H | 14.00 | 14.53 | 14.97 | 15.53 | 16.80 | 21.90 | 22.43 | 22.87 | 23.43 | 24.69 |
| | 8H | 13.98 | 14.48 | 14.95 | 15.47 | 16.75 | 22.06 | 22.56 | 23.03 | 23.55 | 24.83 |
| | 12H | 13.94 | 14.39 | 14.93 | 15.40 | 16.69 | 22.15 | 22.61 | 23.15 | 23.61 | 24.90 |
| 8H | 4H | 15.43 | 15.93 | 16.41 | 16.92 | 18.20 | 21.42 | 21.92 | 22.40 | 22.91 | 24.20 |
| | 6H | 15.68 | 16.09 | 16.68 | 17.12 | 18.40 | 22.05 | 22.47 | 23.05 | 23.50 | 24.78 |
| | 8H | 15.70 | 16.06 | 16.71 | 17.08 | 18.38 | 22.27 | 22.64 | 23.28 | 23.66 | 24.96 |
| | 12H | 15.67 | 15.99 | 16.68 | 17.00 | 18.35 | 22.42 | 22.74 | 23.43 | 23.75 | 25.10 |
| 12H | 4H | 15.58 | 16.03 | 16.57 | 17.04 | 18.33 | 21.38 | 21.83 | 22.38 | 22.84 | 24.13 |
| | 6H | 15.94 | 16.30 | 16.95 | 17.32 | 18.62 | 22.04 | 22.41 | 23.05 | 23.42 | 24.72 |
| | 8H | 16.01 | 16.33 | 17.02 | 17.34 | 18.69 | 22.27 | 22.59 | 23.28 | 23.60 | 24.95 |