

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: P936422

Luminaire Tested: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936422
REPORT IS A COMBINATION OF REPORTS P933439 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

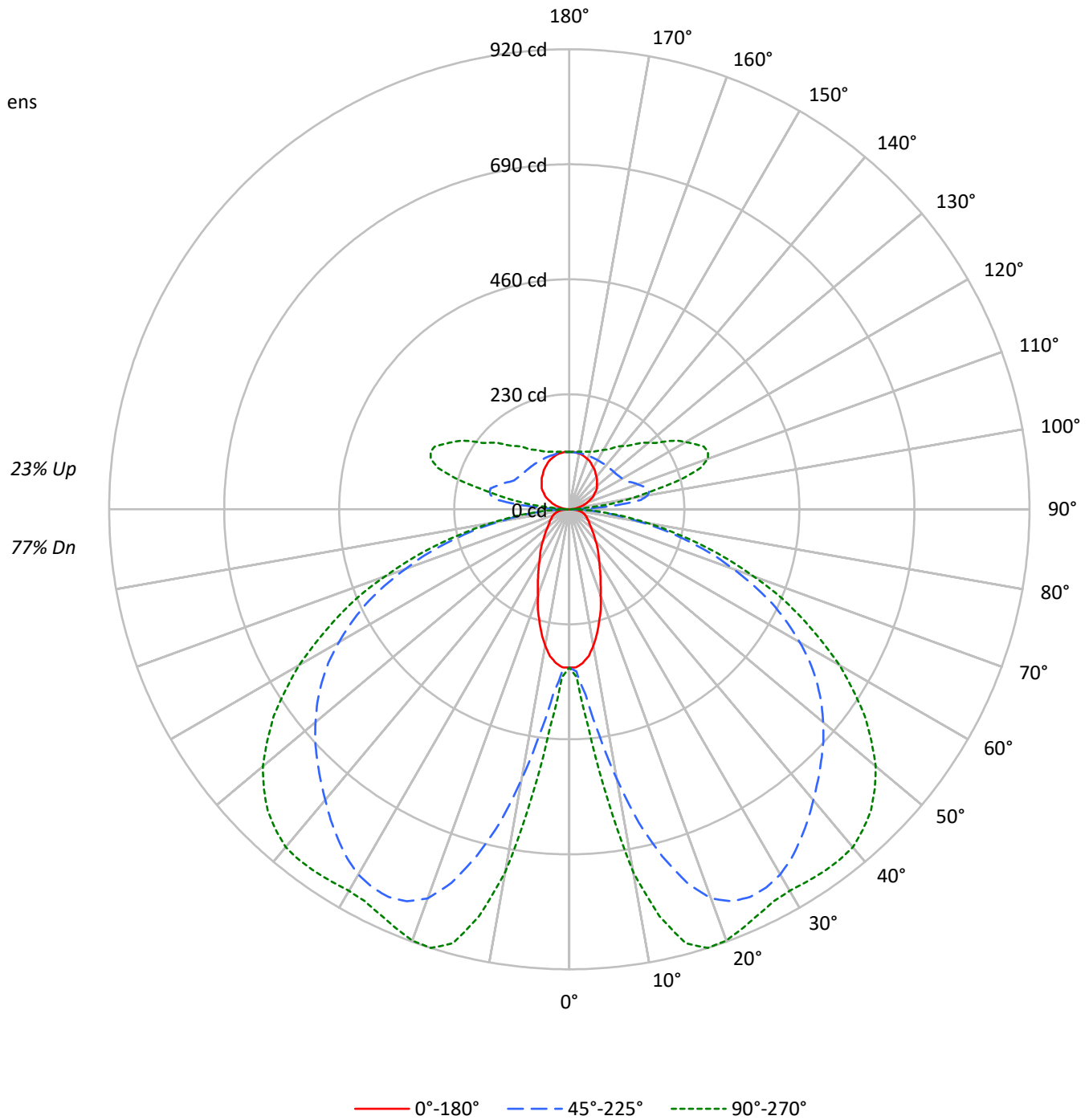
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3193.2 lumens
Efficiency: N/A
Efficacy: 82.3 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-Direct

Input Watts (W): 38.8
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: P936422
CATALOG NUMBER: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P936422

CATALOG NUMBER: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 89 | 89 | 89 | 81 | 81 | 81 | 77 | | | | 77 |
| 1 | 103 | 98 | 94 | 90 | 98 | 94 | 90 | 86 | 85 | 82 | 79 | 77 | 75 | 73 | 70 | 68 | 66 | 63 | | | | 63 |
| 2 | 93 | 85 | 78 | 72 | 88 | 81 | 75 | 69 | 73 | 68 | 64 | 67 | 63 | 59 | 61 | 57 | 55 | 51 | | | | 51 |
| 3 | 84 | 74 | 65 | 59 | 80 | 70 | 63 | 57 | 64 | 58 | 53 | 58 | 53 | 49 | 53 | 49 | 45 | 42 | | | | 42 |
| 4 | 77 | 65 | 56 | 49 | 73 | 62 | 54 | 47 | 56 | 50 | 44 | 51 | 46 | 41 | 47 | 42 | 38 | 35 | | | | 35 |
| 5 | 70 | 57 | 48 | 42 | 66 | 55 | 46 | 40 | 50 | 43 | 38 | 46 | 40 | 35 | 41 | 37 | 33 | 30 | | | | 30 |
| 6 | 64 | 51 | 42 | 36 | 61 | 49 | 41 | 35 | 45 | 38 | 32 | 41 | 35 | 30 | 37 | 32 | 28 | 26 | | | | 26 |
| 7 | 59 | 46 | 37 | 31 | 56 | 44 | 36 | 30 | 40 | 33 | 28 | 37 | 31 | 27 | 34 | 29 | 25 | 22 | | | | 22 |
| 8 | 55 | 42 | 33 | 27 | 52 | 40 | 32 | 26 | 37 | 30 | 25 | 34 | 28 | 23 | 31 | 26 | 22 | 20 | | | | 20 |
| 9 | 51 | 38 | 30 | 24 | 49 | 36 | 29 | 23 | 33 | 27 | 22 | 31 | 25 | 21 | 28 | 23 | 20 | 17 | | | | 17 |
| 10 | 48 | 35 | 27 | 21 | 45 | 33 | 26 | 21 | 31 | 24 | 20 | 28 | 23 | 19 | 26 | 21 | 17 | 16 | | | | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2936 | 2936 | 2936 |
| 5° | 2865 | 3391 | 3947 |
| 10° | 2596 | 4939 | 6543 |
| 15° | 2203 | 6449 | 7901 |
| 20° | 1792 | 7468 | 8052 |
| 25° | 1493 | 7808 | 7889 |
| 30° | 1257 | 7852 | 7873 |
| 35° | 1110 | 7715 | 8077 |
| 40° | 966 | 7540 | 8287 |
| 45° | 872 | 7409 | 8320 |
| 50° | 799 | 7290 | 8182 |
| 55° | 762 | 7119 | 7819 |
| 60° | 777 | 6797 | 7247 |
| 65° | 806 | 6312 | 6459 |
| 70° | 853 | 5494 | 5457 |
| 75° | 935 | 4467 | 4259 |
| 80° | 997 | 3088 | 2869 |
| 85° | 845 | 1631 | 1467 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8320 cd/sqm



TEST NUMBER: P936422

CATALOG NUMBER: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.9 | 1.3 |
| 10°-20° | 181.4 | 5.7 |
| 20°-30° | 317.3 | 9.9 |
| 30°-40° | 408.5 | 12.8 |
| 40°-50° | 456.2 | 14.3 |
| 50°-60° | 437.0 | 13.7 |
| 60°-70° | 346.3 | 10.8 |
| 70°-80° | 203.6 | 6.4 |
| 80°-90° | 57.0 | 1.8 |
| 90°-100° | 56.0 | 1.8 |
| 100°-110° | 147.3 | 4.6 |
| 110°-120° | 152.7 | 4.8 |
| 120°-130° | 122.5 | 3.8 |
| 130°-140° | 96.1 | 3.0 |
| 140°-150° | 73.8 | 2.3 |
| 150°-160° | 53.1 | 1.7 |
| 160°-170° | 32.5 | 1.0 |
| 170°-180° | 11.0 | 0.3 |
| 0°-30° | 539.6 | 16.9 |
| 0°-40° | 948.1 | 29.7 |
| 0°-60° | 1841.3 | 57.7 |
| 0°-90° | 2448.3 | 76.7 |
| 90°-120° | 356.0 | 11.1 |
| 90°-150° | 648.3 | 20.3 |
| 90°-180° | 745.0 | 23.3 |
| 0°-180° | 3193.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 316 | 316 | 316 | 316 | 316 | |
| 5° | 308 | 331 | 372 | 421 | 436 | 28 |
| 15° | 231 | 426 | 718 | 871 | 898 | 64 |
| 25° | 148 | 483 | 856 | 893 | 894 | 68 |
| 35° | 100 | 462 | 806 | 852 | 885 | 62 |
| 45° | 68 | 368 | 712 | 816 | 853 | 53 |
| 55° | 49 | 234 | 604 | 702 | 721 | 44 |
| 65° | 39 | 124 | 449 | 505 | 512 | 38 |
| 75° | 28 | 76 | 246 | 271 | 272 | 30 |
| 85° | 10 | 23 | 61 | 67 | 68 | 11 |
| 90° | 1 | 2 | 6 | 3 | 3 | 1 |
| 95° | 7 | 29 | 96 | 50 | 34 | 8 |
| 105° | 27 | 40 | 163 | 247 | 231 | 28 |
| 115° | 47 | 57 | 130 | 260 | 297 | 47 |
| 125° | 66 | 74 | 119 | 200 | 236 | 58 |
| 135° | 78 | 86 | 115 | 162 | 184 | 60 |
| 145° | 91 | 96 | 113 | 138 | 149 | 57 |
| 155° | 102 | 105 | 113 | 125 | 128 | 47 |
| 165° | 110 | 112 | 113 | 118 | 119 | 31 |
| 175° | 115 | 115 | 114 | 116 | 116 | 11 |
| 180° | 115 | 115 | 115 | 115 | 115 | |



TEST NUMBER: P936422

CATALOG NUMBER: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 | 316.4 |
| 2.5° | 316.4 | 316.4 | 318.5 | 319.5 | 321.5 | 322.6 | 324.6 | 326.6 | 332.7 | 333.7 | 335.7 |
| 5° | 308.3 | 312.4 | 325.6 | 330.6 | 344.9 | 364.2 | 372.4 | 385.6 | 413.1 | 421.2 | 426.3 |
| 7.5° | 296.1 | 305.2 | 337.8 | 346.0 | 381.5 | 432.4 | 453.8 | 482.3 | 526.0 | 547.4 | 564.6 |
| 10° | 276.7 | 296.1 | 354.0 | 373.4 | 431.4 | 508.7 | 548.4 | 588.0 | 654.2 | 683.7 | 694.9 |
| 12.5° | 255.4 | 286.9 | 371.4 | 397.8 | 481.2 | 594.2 | 642.0 | 685.8 | 761.1 | 800.7 | 806.8 |
| 15° | 230.9 | 273.7 | 387.6 | 426.3 | 534.1 | 665.4 | 718.3 | 772.2 | 842.5 | 870.9 | 878.0 |
| 17.5° | 209.6 | 263.5 | 402.9 | 443.6 | 574.9 | 729.5 | 783.4 | 828.2 | 885.2 | 904.5 | 909.6 |
| 20° | 183.1 | 247.2 | 413.1 | 466.0 | 617.6 | 776.3 | 828.2 | 862.8 | 901.4 | 913.7 | 915.7 |
| 22.5° | 163.8 | 229.9 | 419.2 | 474.1 | 646.0 | 804.8 | 848.5 | 876.0 | 902.4 | 906.5 | 907.5 |
| 25° | 147.5 | 210.6 | 418.2 | 483.3 | 670.5 | 822.1 | 855.6 | 876.0 | 891.3 | 893.3 | 893.3 |
| 27.5° | 132.3 | 189.3 | 414.1 | 485.3 | 688.8 | 826.1 | 852.6 | 866.9 | 874.0 | 878.0 | 878.0 |
| 30° | 119.0 | 168.9 | 403.9 | 481.2 | 696.9 | 822.1 | 843.5 | 850.5 | 857.7 | 863.8 | 866.9 |
| 32.5° | 108.9 | 149.5 | 388.7 | 473.1 | 697.9 | 811.9 | 827.1 | 831.2 | 841.4 | 855.6 | 860.8 |
| 35° | 99.7 | 130.2 | 371.4 | 461.9 | 691.8 | 795.6 | 805.8 | 809.9 | 830.2 | 851.6 | 858.7 |
| 37.5° | 90.6 | 116.0 | 349.0 | 442.6 | 682.7 | 776.3 | 783.4 | 790.6 | 822.1 | 847.5 | 855.6 |
| 40° | 81.4 | 103.8 | 322.6 | 421.2 | 668.4 | 752.9 | 759.0 | 770.2 | 811.9 | 841.4 | 849.5 |
| 42.5° | 74.3 | 93.6 | 294.1 | 398.9 | 650.1 | 726.4 | 735.6 | 751.9 | 799.7 | 831.2 | 840.4 |
| 45° | 68.1 | 83.4 | 263.5 | 368.3 | 626.7 | 699.0 | 712.2 | 734.6 | 785.5 | 816.0 | 824.1 |
| 47.5° | 62.1 | 76.3 | 232.0 | 336.8 | 601.3 | 671.5 | 688.8 | 714.3 | 766.2 | 795.6 | 802.7 |
| 50° | 57.0 | 69.2 | 200.4 | 303.2 | 573.8 | 642.0 | 662.4 | 688.8 | 741.7 | 769.2 | 778.3 |
| 52.5° | 52.9 | 63.1 | 170.9 | 269.7 | 542.3 | 611.5 | 634.9 | 662.4 | 712.2 | 738.7 | 744.7 |
| 55° | 48.8 | 58.0 | 145.5 | 234.0 | 509.7 | 578.9 | 604.4 | 630.8 | 679.7 | 702.0 | 706.1 |
| 57.5° | 46.8 | 53.9 | 124.1 | 200.4 | 475.2 | 542.3 | 570.8 | 595.2 | 640.9 | 658.3 | 662.4 |
| 60° | 43.7 | 50.9 | 107.9 | 171.9 | 437.5 | 507.7 | 532.1 | 556.6 | 595.2 | 609.5 | 612.5 |
| 62.5° | 40.7 | 48.8 | 95.6 | 144.5 | 398.9 | 467.0 | 491.4 | 513.8 | 546.4 | 556.6 | 560.6 |
| 65° | 38.7 | 46.8 | 86.5 | 124.1 | 359.1 | 424.3 | 448.7 | 468.0 | 494.5 | 504.7 | 506.7 |
| 67.5° | 36.7 | 44.7 | 79.4 | 106.8 | 319.5 | 381.5 | 399.9 | 418.2 | 438.5 | 448.7 | 449.7 |
| 70° | 33.6 | 42.7 | 73.2 | 94.6 | 278.7 | 332.7 | 348.0 | 367.3 | 383.5 | 388.7 | 391.7 |
| 72.5° | 31.6 | 39.7 | 69.2 | 85.5 | 237.1 | 285.9 | 300.1 | 311.3 | 325.6 | 330.6 | 330.6 |
| 75° | 28.5 | 35.6 | 65.1 | 76.3 | 194.3 | 234.0 | 246.2 | 257.4 | 268.6 | 270.7 | 267.6 |
| 77.5° | 25.4 | 31.6 | 56.0 | 64.1 | 151.6 | 185.2 | 195.3 | 201.4 | 210.6 | 212.7 | 213.7 |
| 80° | 21.3 | 27.5 | 43.7 | 49.8 | 109.9 | 136.4 | 143.5 | 148.5 | 156.7 | 156.7 | 158.7 |
| 82.5° | 16.2 | 21.3 | 31.6 | 35.6 | 74.3 | 93.6 | 99.7 | 102.8 | 107.9 | 107.9 | 107.9 |
| 85° | 10.2 | 13.2 | 20.3 | 23.4 | 44.7 | 57.0 | 61.1 | 62.1 | 66.1 | 67.1 | 67.1 |
| 87.5° | 5.1 | 7.1 | 13.2 | 14.2 | 23.4 | 29.5 | 29.5 | 31.6 | 31.6 | 30.5 | 29.5 |
| 90° | 0.8 | 1.4 | 2.0 | 2.2 | 3.4 | 5.0 | 5.9 | 5.2 | 3.9 | 2.9 | 2.9 |
| 92.5° | 3.1 | 8.3 | 13.6 | 14.9 | 20.9 | 29.0 | 33.0 | 29.0 | 20.8 | 14.6 | 14.0 |
| 95° | 7.4 | 17.0 | 26.6 | 29.0 | 51.5 | 81.5 | 96.5 | 86.1 | 65.3 | 49.7 | 48.0 |
| 97.5° | 12.8 | 21.3 | 29.7 | 31.9 | 69.4 | 119.4 | 144.4 | 137.8 | 124.7 | 114.8 | 111.4 |
| 100° | 16.9 | 24.6 | 32.3 | 34.3 | 75.8 | 131.4 | 159.1 | 159.5 | 160.5 | 161.2 | 157.2 |
| 102.5° | 20.5 | 27.6 | 34.9 | 36.7 | 78.8 | 135.1 | 163.2 | 171.6 | 188.3 | 200.9 | 197.4 |
| 105° | 26.6 | 32.6 | 38.7 | 40.2 | 81.1 | 135.5 | 162.8 | 181.6 | 219.1 | 247.2 | 245.3 |
| 107.5° | 32.7 | 38.3 | 44.0 | 45.4 | 81.5 | 129.5 | 153.5 | 179.7 | 232.0 | 271.3 | 271.7 |
| 110° | 36.9 | 42.0 | 47.0 | 48.4 | 80.9 | 124.2 | 145.8 | 175.1 | 233.5 | 277.4 | 279.4 |



TEST NUMBER: P936422

CATALOG NUMBER: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 41.0 | 45.8 | 50.7 | 51.9 | 80.9 | 119.5 | 138.8 | 168.8 | 228.6 | 273.5 | 276.4 |
| 115° | 47.1 | 51.6 | 56.1 | 57.2 | 81.6 | 114.2 | 130.4 | 159.2 | 216.9 | 260.1 | 264.2 |
| 117.5° | 53.2 | 57.3 | 61.4 | 62.4 | 83.2 | 110.8 | 124.7 | 150.7 | 202.7 | 241.7 | 246.2 |
| 120° | 56.7 | 60.6 | 64.4 | 65.4 | 84.3 | 109.6 | 122.3 | 146.1 | 193.7 | 229.3 | 233.7 |
| 122.5° | 60.2 | 64.1 | 67.9 | 68.9 | 86.1 | 109.0 | 120.5 | 141.9 | 184.7 | 216.8 | 221.1 |
| 125° | 65.5 | 69.1 | 72.6 | 73.5 | 88.6 | 108.6 | 118.6 | 136.8 | 173.2 | 200.4 | 204.4 |
| 127.5° | 69.8 | 73.5 | 77.0 | 77.9 | 90.9 | 108.3 | 117.0 | 132.6 | 163.9 | 187.3 | 190.7 |
| 130° | 72.1 | 76.0 | 79.8 | 80.9 | 92.7 | 108.5 | 116.3 | 130.3 | 158.1 | 178.9 | 182.0 |
| 132.5° | 74.6 | 78.5 | 82.3 | 83.2 | 94.1 | 108.6 | 115.8 | 128.3 | 153.2 | 171.9 | 174.6 |
| 135° | 78.2 | 81.6 | 85.2 | 86.0 | 95.6 | 108.5 | 114.9 | 125.3 | 146.1 | 161.8 | 164.2 |
| 137.5° | 81.8 | 85.2 | 88.7 | 89.6 | 97.9 | 109.1 | 114.7 | 123.5 | 141.1 | 154.4 | 156.4 |
| 140° | 84.8 | 87.9 | 91.2 | 91.9 | 99.3 | 109.3 | 114.2 | 121.8 | 137.1 | 148.5 | 150.3 |
| 142.5° | 87.1 | 90.0 | 92.9 | 93.7 | 100.6 | 109.6 | 114.2 | 120.9 | 134.3 | 144.3 | 145.9 |
| 145° | 90.6 | 93.2 | 95.8 | 96.4 | 102.1 | 109.6 | 113.4 | 118.9 | 129.8 | 138.1 | 139.3 |
| 147.5° | 94.2 | 96.6 | 99.2 | 99.8 | 104.3 | 110.4 | 113.4 | 117.7 | 126.4 | 132.8 | 133.8 |
| 150° | 96.5 | 98.7 | 101.0 | 101.6 | 105.5 | 110.8 | 113.4 | 117.0 | 124.4 | 129.8 | 130.6 |
| 152.5° | 98.9 | 100.6 | 102.3 | 102.7 | 106.3 | 111.0 | 113.4 | 116.5 | 122.7 | 127.4 | 128.1 |
| 155° | 102.4 | 103.6 | 105.0 | 105.3 | 108.0 | 111.6 | 113.4 | 115.9 | 120.9 | 124.6 | 125.0 |
| 157.5° | 105.0 | 106.3 | 107.5 | 107.8 | 109.6 | 112.2 | 113.4 | 115.3 | 119.2 | 122.0 | 122.4 |
| 160° | 106.8 | 107.7 | 108.7 | 109.0 | 110.4 | 112.4 | 113.4 | 115.0 | 118.3 | 120.8 | 121.0 |
| 162.5° | 108.6 | 109.3 | 110.0 | 110.2 | 111.3 | 112.7 | 113.4 | 114.8 | 117.6 | 119.7 | 119.8 |
| 165° | 110.5 | 111.1 | 111.8 | 112.0 | 112.4 | 113.1 | 113.4 | 114.4 | 116.4 | 117.9 | 118.0 |
| 167.5° | 112.3 | 112.6 | 112.9 | 113.0 | 113.3 | 113.9 | 114.2 | 114.8 | 116.1 | 117.1 | 117.2 |
| 170° | 113.4 | 113.7 | 114.0 | 114.1 | 114.1 | 114.2 | 114.2 | 114.8 | 116.1 | 117.1 | 117.1 |
| 172.5° | 114.0 | 114.1 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.7 | 115.7 | 116.5 | 116.4 |
| 175° | 114.9 | 114.9 | 114.9 | 114.9 | 114.7 | 114.3 | 114.2 | 114.5 | 115.2 | 115.7 | 115.7 |
| 177.5° | 114.9 | 114.9 | 114.9 | 114.9 | 114.7 | 114.5 | 114.3 | 114.6 | 115.1 | 115.5 | 115.4 |
| 180° | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 | 114.9 |



TEST NUMBER: P936422

CATALOG NUMBER: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 0° | 316.4 | 316.4 |
| 2.5° | 337.8 | 335.7 |
| 5° | 434.4 | 436.5 |
| 7.5° | 585.0 | 584.0 |
| 10° | 727.5 | 736.6 |
| 12.5° | 831.2 | 833.3 |
| 15° | 894.4 | 898.4 |
| 17.5° | 918.8 | 919.8 |
| 20° | 919.8 | 917.7 |
| 22.5° | 908.6 | 906.5 |
| 25° | 895.4 | 894.4 |
| 27.5° | 883.1 | 884.1 |
| 30° | 878.0 | 881.1 |
| 32.5° | 878.0 | 883.1 |
| 35° | 880.1 | 885.2 |
| 37.5° | 879.0 | 885.2 |
| 40° | 875.0 | 882.1 |
| 42.5° | 863.8 | 868.9 |
| 45° | 846.5 | 852.6 |
| 47.5° | 824.1 | 828.2 |
| 50° | 795.6 | 799.7 |
| 52.5° | 760.0 | 761.1 |
| 55° | 717.3 | 721.3 |
| 57.5° | 671.5 | 672.5 |
| 60° | 620.6 | 623.7 |
| 62.5° | 566.7 | 566.7 |
| 65° | 509.7 | 511.7 |
| 67.5° | 450.8 | 455.8 |
| 70° | 390.7 | 391.7 |
| 72.5° | 331.7 | 331.7 |
| 75° | 270.7 | 271.7 |
| 77.5° | 212.7 | 212.7 |
| 80° | 157.7 | 158.7 |
| 82.5° | 108.9 | 110.9 |
| 85° | 68.1 | 68.1 |
| 87.5° | 31.6 | 28.5 |
| 90° | 2.9 | 2.9 |
| 92.5° | 11.7 | 9.4 |
| 95° | 41.0 | 33.9 |
| 97.5° | 98.0 | 84.6 |
| 100° | 141.3 | 125.3 |
| 102.5° | 183.7 | 170.0 |
| 105° | 238.0 | 230.6 |
| 107.5° | 273.5 | 275.3 |
| 110° | 287.0 | 294.7 |



TEST NUMBER: P936422

CATALOG NUMBER: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 288.2 | 300.0 |
| 115° | 280.6 | 296.9 |
| 117.5° | 264.3 | 282.5 |
| 120° | 251.3 | 268.9 |
| 122.5° | 238.5 | 255.9 |
| 125° | 220.5 | 236.5 |
| 127.5° | 204.1 | 217.6 |
| 130° | 194.5 | 207.0 |
| 132.5° | 185.8 | 197.0 |
| 135° | 173.9 | 183.5 |
| 137.5° | 164.2 | 172.2 |
| 140° | 157.6 | 165.0 |
| 142.5° | 152.2 | 158.5 |
| 145° | 144.1 | 148.8 |
| 147.5° | 137.8 | 141.8 |
| 150° | 133.8 | 137.1 |
| 152.5° | 130.4 | 132.9 |
| 155° | 126.6 | 128.2 |
| 157.5° | 123.5 | 124.7 |
| 160° | 121.7 | 122.3 |
| 162.5° | 120.4 | 121.0 |
| 165° | 118.7 | 119.4 |
| 167.5° | 117.4 | 117.7 |
| 170° | 117.1 | 117.1 |
| 172.5° | 116.2 | 116.0 |
| 175° | 115.7 | 115.7 |
| 177.5° | 115.2 | 114.9 |
| 180° | 114.9 | 114.9 |



TEST NUMBER: P936422
 CATALOG NUMBER: SQ4-FB-025U-100D-927-1D-UNV-STD-W-4

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 | 6.86 | 8.10 | 7.54 | 8.80 | 9.63 | 20.00 | 21.24 | 20.68 | 21.94 | 22.77 |
| | 3H | 7.59 | 8.71 | 8.29 | 9.42 | 10.28 | 21.85 | 22.97 | 22.55 | 23.68 | 24.54 |
| | 4H | 7.91 | 8.96 | 8.62 | 9.69 | 10.56 | 22.51 | 23.56 | 23.22 | 24.29 | 25.16 |
| | 6H | 8.18 | 9.16 | 8.91 | 9.89 | 10.78 | 22.94 | 23.92 | 23.67 | 24.65 | 25.54 |
| | 8H | 8.26 | 9.19 | 9.00 | 9.95 | 10.84 | 23.07 | 24.00 | 23.81 | 24.76 | 25.65 |
| | 12H | 8.29 | 9.18 | 9.03 | 9.93 | 10.85 | 23.14 | 24.03 | 23.89 | 24.78 | 25.70 |
| 4H | 2H | 14.10 | 15.15 | 14.81 | 15.88 | 16.75 | 20.32 | 21.38 | 21.04 | 22.10 | 22.97 |
| | 3H | 15.70 | 16.59 | 16.43 | 17.35 | 18.24 | 22.39 | 23.27 | 23.12 | 24.03 | 24.92 |
| | 4H | 15.81 | 16.62 | 16.56 | 17.38 | 18.30 | 23.16 | 23.97 | 23.90 | 24.73 | 25.65 |
| | 6H | 15.85 | 16.55 | 16.61 | 17.34 | 18.26 | 23.71 | 24.41 | 24.47 | 25.20 | 26.13 |
| | 8H | 15.83 | 16.49 | 16.60 | 17.27 | 18.21 | 23.87 | 24.53 | 24.64 | 25.31 | 26.26 |
| | 12H | 15.81 | 16.40 | 16.60 | 17.21 | 18.15 | 23.98 | 24.57 | 24.77 | 25.38 | 26.32 |
| 8H | 4H | 17.28 | 17.94 | 18.05 | 18.72 | 19.66 | 23.25 | 23.91 | 24.02 | 24.69 | 25.63 |
| | 6H | 17.54 | 18.09 | 18.34 | 18.91 | 19.85 | 23.89 | 24.43 | 24.68 | 25.26 | 26.20 |
| | 8H | 17.56 | 18.05 | 18.37 | 18.87 | 19.83 | 24.10 | 24.59 | 24.91 | 25.42 | 26.37 |
| | 12H | 17.55 | 17.98 | 18.36 | 18.79 | 19.81 | 24.26 | 24.69 | 25.07 | 25.50 | 26.52 |
| 12H | 4H | 17.44 | 18.03 | 18.23 | 18.84 | 19.78 | 23.22 | 23.82 | 24.01 | 24.62 | 25.57 |
| | 6H | 17.80 | 18.29 | 18.61 | 19.11 | 20.07 | 23.87 | 24.36 | 24.68 | 25.19 | 26.15 |
| | 8H | 17.89 | 18.32 | 18.70 | 19.13 | 20.15 | 24.12 | 24.55 | 24.93 | 25.36 | 26.38 |