

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: P936374

Luminaire Tested: SQ4-FB-025U-075D-940-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936374
REPORT IS A COMBINATION OF REPORTS P933438 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-075D-940-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

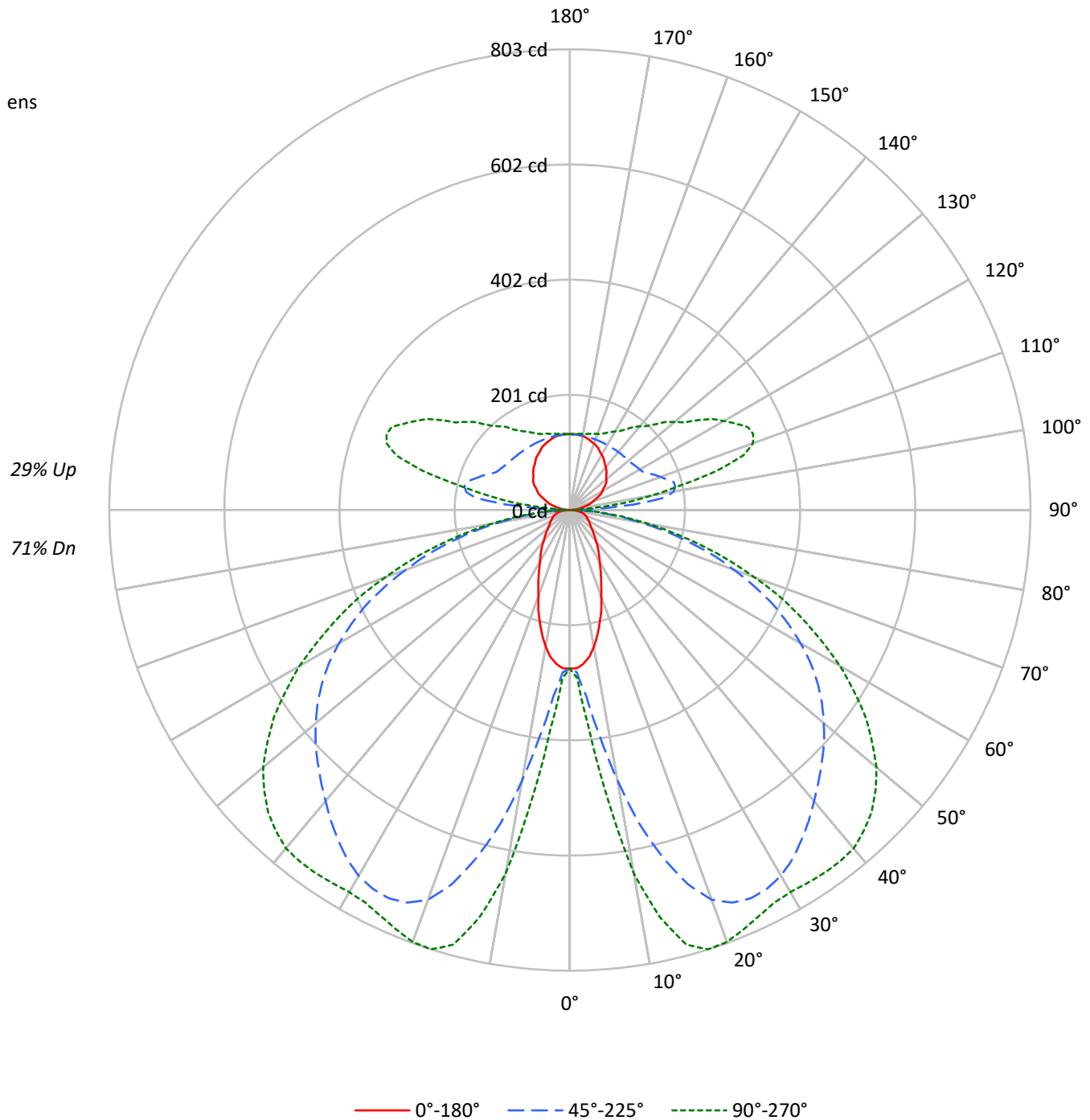
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2996.0 lumens
Efficiency: N/A
Efficacy: 99.9 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): 30
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: P936374
CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P936374

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-4

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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 76 | 76 | 76 | 71 |
| 1 | 102 | 97 | 93 | 89 | 96 | 92 | 88 | 85 | 82 | 79 | 77 | 74 | 71 | 69 | 66 | 64 | 62 | 66 | 64 | 62 | 58 |
| 2 | 92 | 84 | 77 | 71 | 87 | 79 | 73 | 68 | 71 | 66 | 62 | 64 | 60 | 57 | 57 | 54 | 51 | 57 | 54 | 51 | 48 |
| 3 | 83 | 73 | 65 | 58 | 79 | 69 | 62 | 56 | 62 | 56 | 51 | 56 | 51 | 47 | 50 | 46 | 43 | 50 | 46 | 43 | 39 |
| 4 | 76 | 64 | 55 | 49 | 71 | 61 | 53 | 47 | 55 | 48 | 43 | 49 | 44 | 39 | 44 | 40 | 36 | 44 | 40 | 36 | 33 |
| 5 | 69 | 57 | 48 | 41 | 65 | 54 | 46 | 40 | 49 | 42 | 37 | 44 | 38 | 34 | 39 | 34 | 31 | 39 | 34 | 31 | 28 |
| 6 | 64 | 51 | 42 | 35 | 60 | 48 | 40 | 34 | 43 | 37 | 32 | 39 | 33 | 29 | 35 | 30 | 27 | 35 | 30 | 27 | 24 |
| 7 | 59 | 45 | 37 | 31 | 55 | 43 | 35 | 30 | 39 | 32 | 27 | 35 | 30 | 25 | 32 | 27 | 23 | 32 | 27 | 23 | 21 |
| 8 | 54 | 41 | 33 | 27 | 51 | 39 | 31 | 26 | 36 | 29 | 24 | 32 | 26 | 22 | 29 | 24 | 21 | 29 | 24 | 21 | 18 |
| 9 | 51 | 37 | 29 | 24 | 48 | 36 | 28 | 23 | 32 | 26 | 21 | 29 | 24 | 20 | 26 | 22 | 18 | 26 | 22 | 18 | 16 |
| 10 | 47 | 34 | 26 | 21 | 45 | 33 | 25 | 21 | 30 | 23 | 19 | 27 | 22 | 18 | 24 | 20 | 16 | 24 | 20 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2563 | 2563 | 2563 |
| 5° | 2501 | 2960 | 3445 |
| 10° | 2266 | 4311 | 5710 |
| 15° | 1924 | 5628 | 6895 |
| 20° | 1564 | 6517 | 7028 |
| 25° | 1304 | 6815 | 6885 |
| 30° | 1097 | 6853 | 6872 |
| 35° | 969 | 6734 | 7050 |
| 40° | 842 | 6580 | 7233 |
| 45° | 762 | 6466 | 7261 |
| 50° | 697 | 6363 | 7141 |
| 55° | 665 | 6213 | 6825 |
| 60° | 680 | 5932 | 6324 |
| 65° | 702 | 5509 | 5638 |
| 70° | 744 | 4795 | 4763 |
| 75° | 817 | 3899 | 3717 |
| 80° | 871 | 2694 | 2504 |
| 85° | 737 | 1423 | 1282 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7261 cd/sqm



TEST NUMBER: P936374

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.7 | 1.2 |
| 10°-20° | 158.3 | 5.3 |
| 20°-30° | 276.9 | 9.2 |
| 30°-40° | 356.5 | 11.9 |
| 40°-50° | 398.2 | 13.3 |
| 50°-60° | 381.4 | 12.7 |
| 60°-70° | 302.2 | 10.1 |
| 70°-80° | 177.7 | 5.9 |
| 80°-90° | 49.9 | 1.7 |
| 90°-100° | 64.6 | 2.2 |
| 100°-110° | 169.8 | 5.7 |
| 110°-120° | 176.1 | 5.9 |
| 120°-130° | 141.2 | 4.7 |
| 130°-140° | 110.8 | 3.7 |
| 140°-150° | 85.1 | 2.8 |
| 150°-160° | 61.3 | 2.0 |
| 160°-170° | 37.5 | 1.3 |
| 170°-180° | 12.7 | 0.4 |
| 0°-30° | 471.0 | 15.7 |
| 0°-40° | 827.5 | 27.6 |
| 0°-60° | 1607.1 | 53.6 |
| 0°-90° | 2136.9 | 71.3 |
| 90°-120° | 410.5 | 13.7 |
| 90°-150° | 747.7 | 25.0 |
| 90°-180° | 859.0 | 28.7 |
| 0°-180° | 2996.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 276 | 276 | 276 | 276 | 276 | |
| 5° | 269 | 289 | 325 | 368 | 381 | 25 |
| 15° | 202 | 372 | 627 | 760 | 784 | 56 |
| 25° | 129 | 422 | 747 | 780 | 781 | 59 |
| 35° | 87 | 403 | 703 | 743 | 773 | 54 |
| 45° | 60 | 322 | 622 | 712 | 744 | 46 |
| 55° | 43 | 204 | 528 | 613 | 630 | 39 |
| 65° | 34 | 108 | 392 | 440 | 447 | 33 |
| 75° | 25 | 67 | 215 | 236 | 237 | 26 |
| 85° | 9 | 20 | 53 | 59 | 60 | 9 |
| 90° | 1 | 2 | 7 | 3 | 3 | 1 |
| 95° | 8 | 34 | 111 | 57 | 39 | 9 |
| 105° | 31 | 46 | 188 | 285 | 266 | 32 |
| 115° | 54 | 66 | 150 | 300 | 342 | 54 |
| 125° | 76 | 85 | 137 | 231 | 273 | 67 |
| 135° | 90 | 99 | 132 | 187 | 212 | 70 |
| 145° | 104 | 111 | 131 | 159 | 172 | 65 |
| 155° | 118 | 121 | 131 | 144 | 148 | 54 |
| 165° | 127 | 129 | 131 | 136 | 138 | 36 |
| 175° | 132 | 132 | 132 | 133 | 133 | 13 |
| 180° | 132 | 132 | 132 | 132 | 132 | |



TEST NUMBER: P936374

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 276.2 | 276.2 | 276.2 | 276.2 | 276.2 | 276.2 | 276.2 | 276.2 | 276.2 | 276.2 | 276.2 |
| 2.5° | 276.2 | 276.2 | 277.9 | 278.8 | 280.6 | 281.5 | 283.3 | 285.0 | 290.4 | 291.3 | 293.0 |
| 5° | 269.1 | 272.6 | 284.2 | 288.6 | 301.0 | 317.9 | 325.0 | 336.6 | 360.5 | 367.6 | 372.1 |
| 7.5° | 258.4 | 266.4 | 294.8 | 301.9 | 333.0 | 377.4 | 396.0 | 420.9 | 459.1 | 477.7 | 492.8 |
| 10° | 241.5 | 258.4 | 309.0 | 325.9 | 376.5 | 444.0 | 478.6 | 513.3 | 571.0 | 596.7 | 606.5 |
| 12.5° | 222.9 | 250.4 | 324.1 | 347.2 | 420.0 | 518.6 | 560.3 | 598.5 | 664.2 | 698.9 | 704.2 |
| 15° | 201.6 | 238.9 | 338.3 | 372.1 | 466.2 | 580.8 | 626.9 | 674.0 | 735.3 | 760.1 | 766.3 |
| 17.5° | 182.9 | 230.0 | 351.6 | 387.2 | 501.7 | 636.7 | 683.8 | 722.8 | 772.6 | 789.4 | 793.9 |
| 20° | 159.8 | 215.8 | 360.5 | 406.7 | 539.0 | 677.5 | 722.8 | 753.0 | 786.8 | 797.4 | 799.2 |
| 22.5° | 143.0 | 200.7 | 365.9 | 413.8 | 563.9 | 702.4 | 740.6 | 764.6 | 787.7 | 791.2 | 792.1 |
| 25° | 128.8 | 183.8 | 365.0 | 421.8 | 585.2 | 717.5 | 746.8 | 764.6 | 777.9 | 779.7 | 779.7 |
| 27.5° | 115.4 | 165.2 | 361.4 | 423.6 | 601.2 | 721.1 | 744.1 | 756.6 | 762.8 | 766.3 | 766.3 |
| 30° | 103.9 | 147.4 | 352.5 | 420.0 | 608.3 | 717.5 | 736.2 | 742.4 | 748.6 | 753.9 | 756.6 |
| 32.5° | 95.0 | 130.5 | 339.2 | 412.9 | 609.2 | 708.6 | 721.9 | 725.5 | 734.4 | 746.8 | 751.2 |
| 35° | 87.0 | 113.7 | 324.1 | 403.2 | 603.8 | 694.4 | 703.3 | 706.8 | 724.6 | 743.3 | 749.5 |
| 37.5° | 79.0 | 101.2 | 304.6 | 386.3 | 595.8 | 677.5 | 683.8 | 690.0 | 717.5 | 739.7 | 746.8 |
| 40° | 71.0 | 90.6 | 281.5 | 367.6 | 583.4 | 657.1 | 662.4 | 672.2 | 708.6 | 734.4 | 741.5 |
| 42.5° | 64.8 | 81.7 | 256.6 | 348.1 | 567.4 | 634.0 | 642.0 | 656.2 | 698.0 | 725.5 | 733.5 |
| 45° | 59.5 | 72.8 | 230.0 | 321.5 | 547.0 | 610.1 | 621.6 | 641.1 | 685.5 | 712.2 | 719.3 |
| 47.5° | 54.2 | 66.6 | 202.5 | 293.9 | 524.8 | 586.1 | 601.2 | 623.4 | 668.7 | 694.4 | 700.6 |
| 50° | 49.7 | 60.4 | 174.9 | 264.6 | 500.8 | 560.3 | 578.1 | 601.2 | 647.4 | 671.3 | 679.3 |
| 52.5° | 46.2 | 55.1 | 149.2 | 235.3 | 473.3 | 533.7 | 554.1 | 578.1 | 621.6 | 644.7 | 650.0 |
| 55° | 42.6 | 50.6 | 127.0 | 204.2 | 444.9 | 505.3 | 527.5 | 550.6 | 593.2 | 612.7 | 616.3 |
| 57.5° | 40.8 | 47.1 | 108.3 | 174.9 | 414.7 | 473.3 | 498.2 | 519.5 | 559.4 | 574.5 | 578.1 |
| 60° | 38.2 | 44.4 | 94.1 | 150.1 | 381.8 | 443.1 | 464.4 | 485.7 | 519.5 | 531.9 | 534.6 |
| 62.5° | 35.5 | 42.6 | 83.5 | 126.1 | 348.1 | 407.6 | 428.9 | 448.4 | 476.9 | 485.7 | 489.3 |
| 65° | 33.7 | 40.8 | 75.5 | 108.3 | 313.5 | 370.3 | 391.6 | 408.5 | 431.6 | 440.4 | 442.2 |
| 67.5° | 32.0 | 39.1 | 69.3 | 93.2 | 278.8 | 333.0 | 349.0 | 365.0 | 382.7 | 391.6 | 392.5 |
| 70° | 29.3 | 37.3 | 63.9 | 82.6 | 243.3 | 290.4 | 303.7 | 320.6 | 334.8 | 339.2 | 341.9 |
| 72.5° | 27.5 | 34.6 | 60.4 | 74.6 | 206.9 | 249.5 | 262.0 | 271.7 | 284.2 | 288.6 | 288.6 |
| 75° | 24.9 | 31.1 | 56.8 | 66.6 | 169.6 | 204.2 | 214.9 | 224.7 | 234.4 | 236.2 | 233.5 |
| 77.5° | 22.2 | 27.5 | 48.8 | 55.9 | 132.3 | 161.6 | 170.5 | 175.8 | 183.8 | 185.6 | 186.5 |
| 80° | 18.6 | 24.0 | 38.2 | 43.5 | 95.9 | 119.0 | 125.2 | 129.6 | 136.8 | 136.8 | 138.5 |
| 82.5° | 14.2 | 18.6 | 27.5 | 31.1 | 64.8 | 81.7 | 87.0 | 89.7 | 94.1 | 94.1 | 94.1 |
| 85° | 8.9 | 11.5 | 17.8 | 20.4 | 39.1 | 49.7 | 53.3 | 54.2 | 57.7 | 58.6 | 58.6 |
| 87.5° | 4.4 | 6.2 | 11.5 | 12.4 | 20.4 | 25.8 | 25.8 | 27.5 | 27.5 | 26.6 | 25.8 |
| 90° | 0.9 | 1.6 | 2.3 | 2.5 | 3.9 | 5.8 | 6.7 | 6.0 | 4.5 | 3.4 | 3.4 |
| 92.5° | 3.6 | 9.6 | 15.6 | 17.1 | 24.2 | 33.5 | 38.1 | 33.4 | 24.0 | 16.9 | 16.2 |
| 95° | 8.5 | 19.6 | 30.7 | 33.5 | 59.4 | 94.0 | 111.3 | 99.3 | 75.3 | 57.4 | 55.3 |
| 97.5° | 14.7 | 24.5 | 34.3 | 36.8 | 80.0 | 137.6 | 166.5 | 159.0 | 143.8 | 132.4 | 128.5 |
| 100° | 19.5 | 28.4 | 37.3 | 39.5 | 87.5 | 151.5 | 183.5 | 184.0 | 185.1 | 185.9 | 181.3 |
| 102.5° | 23.6 | 31.9 | 40.2 | 42.3 | 90.9 | 155.8 | 188.3 | 197.9 | 217.2 | 231.7 | 227.7 |
| 105° | 30.6 | 37.7 | 44.6 | 46.4 | 93.5 | 156.3 | 187.7 | 209.4 | 252.6 | 285.0 | 282.9 |
| 107.5° | 37.7 | 44.2 | 50.8 | 52.4 | 94.0 | 149.4 | 177.1 | 207.3 | 267.6 | 312.8 | 313.4 |
| 110° | 42.5 | 48.4 | 54.3 | 55.8 | 93.2 | 143.2 | 168.2 | 201.9 | 269.3 | 319.9 | 322.2 |



TEST NUMBER: P936374

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 47.2 | 52.8 | 58.4 | 59.9 | 93.2 | 137.8 | 160.1 | 194.6 | 263.6 | 315.4 | 318.8 |
| 115° | 54.3 | 59.5 | 64.6 | 66.0 | 94.1 | 131.7 | 150.4 | 183.6 | 250.1 | 300.0 | 304.7 |
| 117.5° | 61.4 | 66.1 | 70.8 | 71.9 | 95.9 | 127.8 | 143.8 | 173.8 | 233.7 | 278.7 | 284.0 |
| 120° | 65.4 | 69.9 | 74.3 | 75.4 | 97.2 | 126.5 | 141.0 | 168.5 | 223.3 | 264.4 | 269.5 |
| 122.5° | 69.4 | 73.9 | 78.3 | 79.5 | 99.3 | 125.7 | 139.0 | 163.7 | 213.0 | 250.1 | 255.0 |
| 125° | 75.6 | 79.7 | 83.7 | 84.8 | 102.1 | 125.2 | 136.8 | 157.7 | 199.7 | 231.1 | 235.8 |
| 127.5° | 80.5 | 84.7 | 88.8 | 89.9 | 104.9 | 124.9 | 134.9 | 152.9 | 189.0 | 216.0 | 219.9 |
| 130° | 83.2 | 87.6 | 92.1 | 93.2 | 106.9 | 125.1 | 134.2 | 150.2 | 182.3 | 206.4 | 209.9 |
| 132.5° | 86.0 | 90.5 | 94.9 | 96.0 | 108.5 | 125.2 | 133.6 | 147.9 | 176.6 | 198.2 | 201.4 |
| 135° | 90.1 | 94.1 | 98.2 | 99.2 | 110.3 | 125.1 | 132.5 | 144.5 | 168.5 | 186.6 | 189.3 |
| 137.5° | 94.3 | 98.3 | 102.3 | 103.3 | 113.0 | 125.8 | 132.3 | 142.4 | 162.8 | 178.0 | 180.4 |
| 140° | 97.8 | 101.4 | 105.1 | 106.0 | 114.6 | 126.0 | 131.7 | 140.5 | 158.1 | 171.2 | 173.3 |
| 142.5° | 100.4 | 103.8 | 107.2 | 108.1 | 116.0 | 126.5 | 131.7 | 139.4 | 154.9 | 166.4 | 168.3 |
| 145° | 104.5 | 107.4 | 110.5 | 111.2 | 117.7 | 126.5 | 130.8 | 137.1 | 149.7 | 159.2 | 160.6 |
| 147.5° | 108.6 | 111.4 | 114.4 | 115.1 | 120.3 | 127.3 | 130.8 | 135.8 | 145.7 | 153.2 | 154.3 |
| 150° | 111.3 | 113.8 | 116.5 | 117.1 | 121.7 | 127.8 | 130.8 | 135.0 | 143.4 | 149.7 | 150.6 |
| 152.5° | 114.0 | 116.0 | 117.9 | 118.5 | 122.5 | 128.0 | 130.8 | 134.4 | 141.5 | 147.0 | 147.7 |
| 155° | 118.1 | 119.5 | 121.0 | 121.4 | 124.5 | 128.7 | 130.8 | 133.6 | 139.4 | 143.7 | 144.1 |
| 157.5° | 121.1 | 122.5 | 124.0 | 124.3 | 126.5 | 129.4 | 130.8 | 133.0 | 137.5 | 140.7 | 141.1 |
| 160° | 123.2 | 124.2 | 125.4 | 125.7 | 127.3 | 129.6 | 130.8 | 132.7 | 136.5 | 139.3 | 139.5 |
| 162.5° | 125.2 | 126.0 | 126.9 | 127.1 | 128.3 | 130.0 | 130.8 | 132.4 | 135.6 | 138.0 | 138.2 |
| 165° | 127.4 | 128.1 | 128.9 | 129.1 | 129.6 | 130.4 | 130.8 | 132.0 | 134.3 | 136.0 | 136.1 |
| 167.5° | 129.5 | 129.8 | 130.2 | 130.3 | 130.7 | 131.3 | 131.7 | 132.4 | 133.9 | 135.1 | 135.2 |
| 170° | 130.8 | 131.2 | 131.5 | 131.6 | 131.6 | 131.7 | 131.7 | 132.4 | 133.9 | 135.1 | 135.1 |
| 172.5° | 131.5 | 131.6 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 132.3 | 133.5 | 134.4 | 134.3 |
| 175° | 132.5 | 132.5 | 132.5 | 132.5 | 132.2 | 131.9 | 131.7 | 132.0 | 132.8 | 133.4 | 133.4 |
| 177.5° | 132.5 | 132.5 | 132.5 | 132.5 | 132.3 | 132.0 | 131.9 | 132.1 | 132.8 | 133.2 | 133.1 |
| 180° | 132.5 | 132.5 | 132.5 | 132.5 | 132.5 | 132.5 | 132.5 | 132.5 | 132.5 | 132.5 | 132.5 |



TEST NUMBER: P936374

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 0° | 276.2 | 276.2 |
| 2.5° | 294.8 | 293.0 |
| 5° | 379.2 | 381.0 |
| 7.5° | 510.6 | 509.7 |
| 10° | 634.9 | 642.9 |
| 12.5° | 725.5 | 727.3 |
| 15° | 780.6 | 784.1 |
| 17.5° | 801.9 | 802.8 |
| 20° | 802.8 | 801.0 |
| 22.5° | 793.0 | 791.2 |
| 25° | 781.4 | 780.6 |
| 27.5° | 770.8 | 771.7 |
| 30° | 766.3 | 769.0 |
| 32.5° | 766.3 | 770.8 |
| 35° | 768.1 | 772.6 |
| 37.5° | 767.2 | 772.6 |
| 40° | 763.7 | 769.9 |
| 42.5° | 753.9 | 758.4 |
| 45° | 738.8 | 744.1 |
| 47.5° | 719.3 | 722.8 |
| 50° | 694.4 | 698.0 |
| 52.5° | 663.3 | 664.2 |
| 55° | 626.0 | 629.6 |
| 57.5° | 586.1 | 587.0 |
| 60° | 541.7 | 544.3 |
| 62.5° | 494.6 | 494.6 |
| 65° | 444.9 | 446.7 |
| 67.5° | 393.4 | 397.8 |
| 70° | 341.0 | 341.9 |
| 72.5° | 289.5 | 289.5 |
| 75° | 236.2 | 237.1 |
| 77.5° | 185.6 | 185.6 |
| 80° | 137.6 | 138.5 |
| 82.5° | 95.0 | 96.8 |
| 85° | 59.5 | 59.5 |
| 87.5° | 27.5 | 24.9 |
| 90° | 3.4 | 3.4 |
| 92.5° | 13.5 | 10.8 |
| 95° | 47.2 | 39.1 |
| 97.5° | 113.0 | 97.6 |
| 100° | 162.9 | 144.5 |
| 102.5° | 211.9 | 196.1 |
| 105° | 274.5 | 266.0 |
| 107.5° | 315.4 | 317.5 |
| 110° | 331.0 | 339.8 |



TEST NUMBER: P936374

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 332.4 | 346.0 |
| 115° | 323.6 | 342.4 |
| 117.5° | 304.9 | 325.8 |
| 120° | 289.8 | 310.1 |
| 122.5° | 275.1 | 295.2 |
| 125° | 254.2 | 272.7 |
| 127.5° | 235.4 | 250.9 |
| 130° | 224.3 | 238.7 |
| 132.5° | 214.3 | 227.2 |
| 135° | 200.5 | 211.6 |
| 137.5° | 189.4 | 198.6 |
| 140° | 181.8 | 190.3 |
| 142.5° | 175.6 | 182.8 |
| 145° | 166.1 | 171.7 |
| 147.5° | 158.9 | 163.5 |
| 150° | 154.3 | 158.1 |
| 152.5° | 150.4 | 153.3 |
| 155° | 146.0 | 147.9 |
| 157.5° | 142.4 | 143.8 |
| 160° | 140.3 | 141.0 |
| 162.5° | 138.9 | 139.6 |
| 165° | 136.9 | 137.6 |
| 167.5° | 135.4 | 135.8 |
| 170° | 135.1 | 135.1 |
| 172.5° | 134.0 | 133.7 |
| 175° | 133.4 | 133.4 |
| 177.5° | 132.8 | 132.5 |
| 180° | 132.5 | 132.5 |



TEST NUMBER: P936374
 CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-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 | 6.00 | 7.15 | 6.74 | 7.92 | 8.85 | 19.14 | 20.29 | 19.88 | 21.06 | 21.99 |
| | 3H | 6.73 | 7.77 | 7.48 | 8.55 | 9.50 | 20.99 | 22.03 | 21.74 | 22.80 | 23.76 |
| | 4H | 7.04 | 8.02 | 7.81 | 8.81 | 9.78 | 21.63 | 22.62 | 22.41 | 23.41 | 24.37 |
| | 6H | 7.31 | 8.22 | 8.09 | 9.01 | 10.00 | 22.07 | 22.98 | 22.85 | 23.77 | 24.76 |
| | 8H | 7.38 | 8.25 | 8.18 | 9.07 | 10.05 | 22.19 | 23.06 | 22.98 | 23.88 | 24.86 |
| | 12H | 7.41 | 8.24 | 8.21 | 9.05 | 10.06 | 22.26 | 23.09 | 23.06 | 23.90 | 24.91 |
| 4H | 2H | 13.23 | 14.21 | 14.00 | 15.00 | 15.97 | 19.45 | 20.43 | 20.23 | 21.22 | 22.19 |
| | 3H | 14.82 | 15.65 | 15.61 | 16.47 | 17.46 | 21.51 | 22.33 | 22.30 | 23.16 | 24.14 |
| | 4H | 14.93 | 15.68 | 15.73 | 16.51 | 17.52 | 22.28 | 23.03 | 23.08 | 23.85 | 24.87 |
| | 6H | 14.96 | 15.61 | 15.78 | 16.46 | 17.48 | 22.82 | 23.48 | 23.64 | 24.32 | 25.34 |
| | 8H | 14.94 | 15.56 | 15.77 | 16.40 | 17.43 | 22.98 | 23.60 | 23.81 | 24.44 | 25.47 |
| | 12H | 14.91 | 15.47 | 15.76 | 16.33 | 17.37 | 23.08 | 23.64 | 23.93 | 24.50 | 25.54 |
| 8H | 4H | 16.39 | 17.00 | 17.21 | 17.84 | 18.88 | 22.36 | 22.98 | 23.19 | 23.82 | 24.85 |
| | 6H | 16.65 | 17.16 | 17.50 | 18.04 | 19.07 | 22.99 | 23.50 | 23.85 | 24.39 | 25.42 |
| | 8H | 16.67 | 17.12 | 17.53 | 18.00 | 19.05 | 23.21 | 23.66 | 24.07 | 24.54 | 25.59 |
| | 12H | 16.65 | 17.05 | 17.52 | 17.92 | 19.02 | 23.36 | 23.76 | 24.23 | 24.63 | 25.73 |
| 12H | 4H | 16.54 | 17.10 | 17.39 | 17.96 | 19.00 | 22.33 | 22.88 | 23.18 | 23.75 | 24.78 |
| | 6H | 16.90 | 17.36 | 17.77 | 18.24 | 19.29 | 22.98 | 23.43 | 23.84 | 24.31 | 25.36 |
| | 8H | 16.99 | 17.39 | 17.86 | 18.26 | 19.36 | 23.22 | 23.62 | 24.09 | 24.49 | 25.59 |