

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: P936211

Luminaire Tested: SQ4-FB-025U-050D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936211
REPORT IS A COMBINATION OF REPORTS P933445 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-050D-830-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

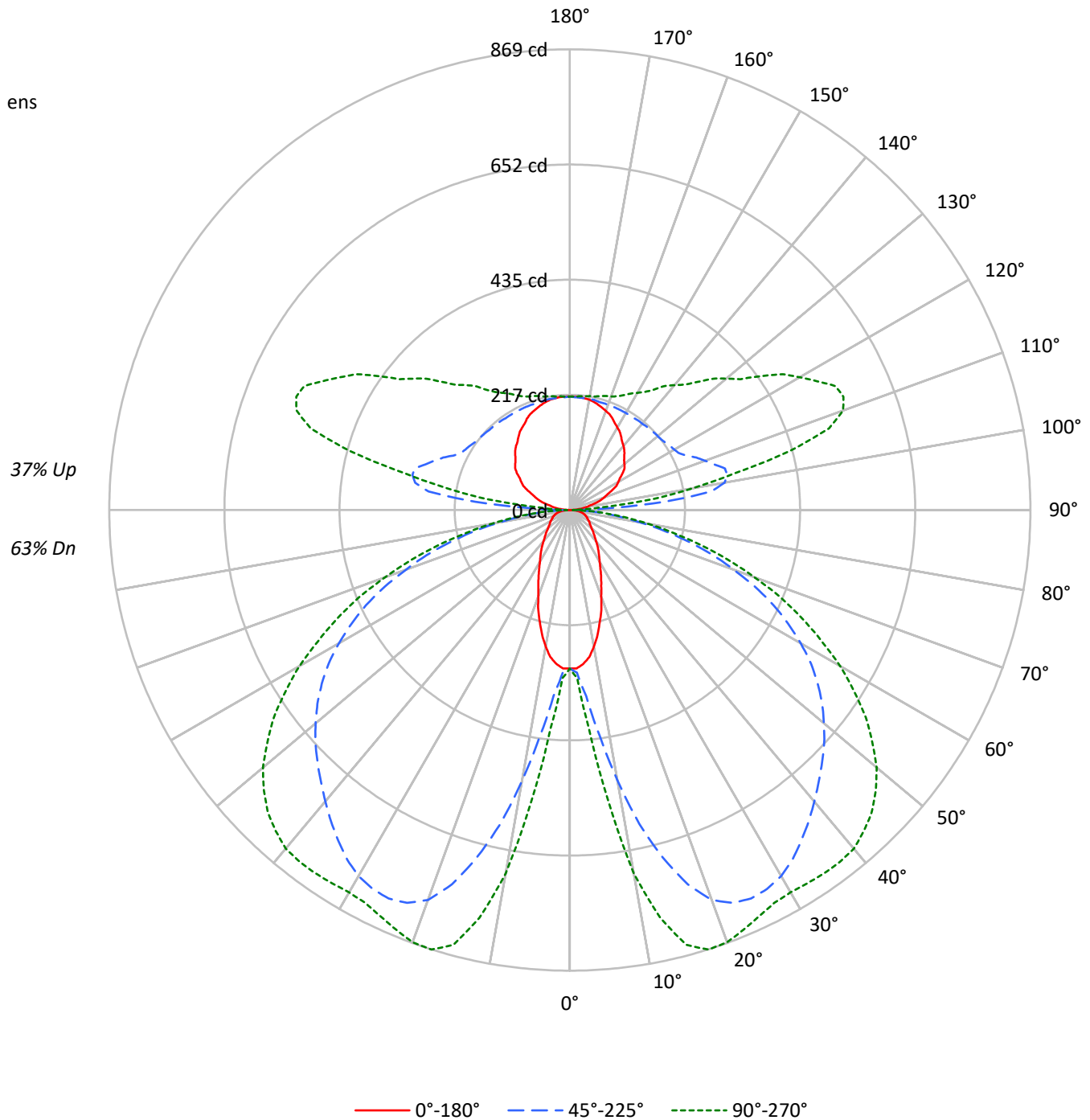
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3701.6 lumens
Efficiency: N/A
Efficacy: 112.2 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-Direct

Input Watts (W): 33
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: P936211
CATALOG NUMBER: SQ4-FB-025U-050D-830-1D-UNV-STD-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P936211

CATALOG NUMBER: SQ4-FB-025U-050D-830-1D-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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 68 | 68 | 68 | 68 | 68 | 68 | 63 |
| 1 | 100 | 95 | 91 | 87 | 93 | 89 | 86 | 82 | 78 | 75 | 73 | 68 | 66 | 64 | 59 | 57 | 56 | 59 | 57 | 56 | 51 |
| 2 | 90 | 82 | 76 | 70 | 84 | 77 | 71 | 66 | 68 | 63 | 59 | 59 | 55 | 52 | 51 | 48 | 46 | 51 | 48 | 46 | 42 |
| 3 | 82 | 72 | 64 | 57 | 76 | 67 | 60 | 55 | 59 | 53 | 49 | 51 | 47 | 43 | 44 | 41 | 38 | 44 | 41 | 38 | 34 |
| 4 | 75 | 63 | 54 | 48 | 69 | 59 | 52 | 46 | 52 | 46 | 41 | 45 | 40 | 37 | 39 | 35 | 32 | 39 | 35 | 32 | 29 |
| 5 | 68 | 56 | 47 | 41 | 63 | 52 | 45 | 39 | 46 | 40 | 35 | 40 | 35 | 31 | 35 | 31 | 28 | 35 | 31 | 28 | 24 |
| 6 | 63 | 50 | 41 | 35 | 58 | 47 | 39 | 33 | 41 | 35 | 30 | 36 | 31 | 27 | 31 | 27 | 24 | 31 | 27 | 24 | 21 |
| 7 | 58 | 45 | 36 | 30 | 54 | 42 | 34 | 29 | 37 | 31 | 26 | 33 | 27 | 23 | 28 | 24 | 21 | 28 | 24 | 21 | 18 |
| 8 | 53 | 40 | 32 | 26 | 50 | 38 | 31 | 25 | 34 | 27 | 23 | 30 | 24 | 21 | 26 | 22 | 18 | 26 | 22 | 18 | 16 |
| 9 | 50 | 37 | 29 | 23 | 46 | 35 | 27 | 22 | 31 | 25 | 20 | 27 | 22 | 18 | 24 | 19 | 16 | 24 | 19 | 16 | 14 |
| 10 | 46 | 34 | 26 | 21 | 43 | 32 | 25 | 20 | 28 | 22 | 18 | 25 | 20 | 16 | 22 | 18 | 15 | 22 | 18 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1850 | 1850 | 1850 |
| 5° | 1807 | 2137 | 2487 |
| 10° | 1638 | 3115 | 4123 |
| 15° | 1392 | 4069 | 4978 |
| 20° | 1133 | 4715 | 5073 |
| 25° | 945 | 4932 | 4971 |
| 30° | 796 | 4962 | 4961 |
| 35° | 704 | 4878 | 5089 |
| 40° | 613 | 4770 | 5222 |
| 45° | 554 | 4690 | 5242 |
| 50° | 508 | 4618 | 5155 |
| 55° | 487 | 4513 | 4927 |
| 60° | 498 | 4314 | 4566 |
| 65° | 516 | 4010 | 4069 |
| 70° | 548 | 3495 | 3439 |
| 75° | 608 | 2846 | 2684 |
| 80° | 657 | 1972 | 1808 |
| 85° | 578 | 1044 | 925 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5242 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.7 | 1.0 |
| 10°-20° | 171.5 | 4.6 |
| 20°-30° | 299.9 | 8.1 |
| 30°-40° | 386.1 | 10.4 |
| 40°-50° | 431.2 | 11.6 |
| 50°-60° | 413.0 | 11.2 |
| 60°-70° | 327.3 | 8.8 |
| 70°-80° | 192.5 | 5.2 |
| 80°-90° | 54.3 | 1.5 |
| 90°-100° | 104.3 | 2.8 |
| 100°-110° | 274.2 | 7.4 |
| 110°-120° | 284.4 | 7.7 |
| 120°-130° | 228.1 | 6.2 |
| 130°-140° | 179.0 | 4.8 |
| 140°-150° | 137.4 | 3.7 |
| 150°-160° | 98.9 | 2.7 |
| 160°-170° | 60.5 | 1.6 |
| 170°-180° | 20.5 | 0.6 |
| 0°-30° | 510.0 | 13.8 |
| 0°-40° | 896.1 | 24.2 |
| 0°-60° | 1740.3 | 47.0 |
| 0°-90° | 2314.3 | 62.5 |
| 90°-120° | 662.9 | 17.9 |
| 90°-150° | 1207.4 | 32.6 |
| 90°-180° | 1387.0 | 37.5 |
| 0°-180° | 3701.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 299 | 299 | 299 | 299 | 299 | |
| 5° | 291 | 312 | 352 | 398 | 412 | 27 |
| 15° | 218 | 403 | 679 | 823 | 849 | 61 |
| 25° | 140 | 457 | 809 | 844 | 845 | 64 |
| 35° | 94 | 437 | 762 | 805 | 837 | 59 |
| 45° | 64 | 348 | 673 | 771 | 806 | 50 |
| 55° | 46 | 221 | 571 | 664 | 682 | 42 |
| 65° | 36 | 117 | 424 | 477 | 484 | 36 |
| 75° | 27 | 72 | 233 | 256 | 257 | 28 |
| 85° | 10 | 22 | 58 | 64 | 64 | 10 |
| 90° | 1 | 4 | 11 | 5 | 5 | 2 |
| 95° | 14 | 54 | 180 | 93 | 63 | 15 |
| 105° | 49 | 75 | 303 | 460 | 429 | 52 |
| 115° | 88 | 107 | 243 | 484 | 553 | 87 |
| 125° | 122 | 137 | 221 | 373 | 440 | 108 |
| 135° | 146 | 160 | 214 | 301 | 342 | 113 |
| 145° | 169 | 180 | 211 | 257 | 277 | 106 |
| 155° | 191 | 196 | 211 | 232 | 239 | 88 |
| 165° | 206 | 208 | 211 | 220 | 222 | 58 |
| 175° | 214 | 214 | 213 | 216 | 216 | 20 |
| 180° | 214 | 214 | 214 | 214 | 214 | |



TEST NUMBER: P936211

CATALOG NUMBER: SQ4-FB-025U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 | 299.0 |
| 2.5° | 299.0 | 299.0 | 300.9 | 301.9 | 303.9 | 304.9 | 306.8 | 308.7 | 314.4 | 315.4 | 317.3 |
| 5° | 291.4 | 295.2 | 307.7 | 312.5 | 326.0 | 344.3 | 351.9 | 364.4 | 390.4 | 398.1 | 403.0 |
| 7.5° | 279.8 | 288.5 | 319.2 | 327.0 | 360.6 | 408.7 | 428.9 | 455.8 | 497.1 | 517.4 | 533.7 |
| 10° | 261.6 | 279.8 | 334.6 | 353.0 | 407.7 | 480.8 | 518.3 | 555.8 | 618.3 | 646.2 | 656.8 |
| 12.5° | 241.4 | 271.2 | 350.9 | 376.0 | 454.9 | 561.6 | 606.8 | 648.2 | 719.3 | 756.8 | 762.5 |
| 15° | 218.3 | 258.7 | 366.3 | 403.0 | 504.9 | 628.9 | 678.9 | 729.9 | 796.3 | 823.1 | 829.9 |
| 17.5° | 198.1 | 249.0 | 380.8 | 419.3 | 543.3 | 689.5 | 740.4 | 782.8 | 836.6 | 854.9 | 859.6 |
| 20° | 173.1 | 233.6 | 390.4 | 440.4 | 583.7 | 733.7 | 782.8 | 815.5 | 852.0 | 863.6 | 865.5 |
| 22.5° | 154.8 | 217.3 | 396.2 | 448.1 | 610.6 | 760.6 | 802.0 | 827.9 | 852.9 | 856.8 | 857.7 |
| 25° | 139.5 | 199.0 | 395.2 | 456.8 | 633.7 | 776.9 | 808.7 | 827.9 | 842.3 | 844.2 | 844.2 |
| 27.5° | 125.0 | 178.9 | 391.4 | 458.7 | 651.0 | 780.9 | 805.8 | 819.3 | 826.0 | 829.9 | 829.9 |
| 30° | 112.5 | 159.7 | 381.7 | 454.9 | 658.7 | 776.9 | 797.2 | 803.9 | 810.6 | 816.4 | 819.3 |
| 32.5° | 102.9 | 141.4 | 367.3 | 447.1 | 659.6 | 767.4 | 781.8 | 785.6 | 795.2 | 808.7 | 813.6 |
| 35° | 94.3 | 123.1 | 350.9 | 436.6 | 653.9 | 752.0 | 761.5 | 765.5 | 784.7 | 804.9 | 811.5 |
| 37.5° | 85.6 | 109.7 | 329.8 | 418.3 | 645.2 | 733.7 | 740.4 | 747.2 | 776.9 | 801.0 | 808.7 |
| 40° | 77.0 | 98.1 | 304.9 | 398.1 | 631.8 | 711.6 | 717.4 | 727.9 | 767.4 | 795.2 | 802.9 |
| 42.5° | 70.2 | 88.4 | 277.9 | 377.0 | 614.4 | 686.6 | 695.2 | 710.6 | 755.8 | 785.6 | 794.2 |
| 45° | 64.4 | 78.9 | 249.0 | 348.1 | 592.3 | 660.6 | 673.1 | 694.2 | 742.3 | 771.2 | 778.9 |
| 47.5° | 58.7 | 72.1 | 219.2 | 318.3 | 568.3 | 634.7 | 651.0 | 675.0 | 724.1 | 752.0 | 758.7 |
| 50° | 53.8 | 65.4 | 189.5 | 286.5 | 542.3 | 606.8 | 626.0 | 651.0 | 701.0 | 726.9 | 735.6 |
| 52.5° | 50.0 | 59.7 | 161.6 | 254.9 | 512.5 | 577.9 | 600.1 | 626.0 | 673.1 | 698.2 | 703.9 |
| 55° | 46.2 | 54.8 | 137.5 | 221.1 | 481.7 | 547.1 | 571.2 | 596.2 | 642.3 | 663.5 | 667.4 |
| 57.5° | 44.3 | 51.0 | 117.3 | 189.5 | 449.0 | 512.5 | 539.5 | 562.5 | 605.8 | 622.2 | 626.0 |
| 60° | 41.4 | 48.1 | 101.9 | 162.5 | 413.5 | 479.8 | 503.0 | 526.0 | 562.5 | 576.0 | 578.9 |
| 62.5° | 38.4 | 46.2 | 90.4 | 136.5 | 377.0 | 441.4 | 464.4 | 485.6 | 516.3 | 526.0 | 529.8 |
| 65° | 36.5 | 44.3 | 81.7 | 117.3 | 339.5 | 400.9 | 424.1 | 442.3 | 467.3 | 476.9 | 478.9 |
| 67.5° | 34.6 | 42.4 | 75.0 | 101.0 | 301.9 | 360.6 | 377.9 | 395.2 | 414.4 | 424.1 | 425.0 |
| 70° | 31.7 | 40.3 | 69.2 | 89.4 | 263.5 | 314.4 | 328.9 | 347.1 | 362.5 | 367.3 | 370.3 |
| 72.5° | 29.8 | 37.5 | 65.4 | 80.8 | 224.1 | 270.2 | 283.6 | 294.3 | 307.7 | 312.5 | 312.5 |
| 75° | 27.0 | 33.7 | 61.6 | 72.1 | 183.6 | 221.1 | 232.7 | 243.3 | 253.8 | 255.8 | 252.9 |
| 77.5° | 24.0 | 29.8 | 52.9 | 60.6 | 143.3 | 175.0 | 184.6 | 190.4 | 199.0 | 201.0 | 201.9 |
| 80° | 20.2 | 26.0 | 41.4 | 47.1 | 103.8 | 128.9 | 135.6 | 140.4 | 148.1 | 148.1 | 150.0 |
| 82.5° | 15.4 | 20.2 | 29.8 | 33.7 | 70.2 | 88.4 | 94.3 | 97.1 | 101.9 | 101.9 | 101.9 |
| 85° | 9.7 | 12.5 | 19.2 | 22.1 | 42.4 | 53.8 | 57.7 | 58.7 | 62.5 | 63.5 | 63.5 |
| 87.5° | 4.8 | 6.7 | 12.5 | 13.5 | 22.1 | 27.9 | 27.9 | 29.8 | 29.8 | 28.9 | 27.9 |
| 90° | 1.4 | 2.6 | 3.7 | 4.0 | 6.3 | 9.4 | 10.9 | 9.7 | 7.3 | 5.4 | 5.4 |
| 92.5° | 5.7 | 15.5 | 25.2 | 27.7 | 39.0 | 54.0 | 61.5 | 53.8 | 38.6 | 27.2 | 26.2 |
| 95° | 13.8 | 31.6 | 49.5 | 54.0 | 95.9 | 151.7 | 179.6 | 160.3 | 121.6 | 92.6 | 89.4 |
| 97.5° | 23.8 | 39.6 | 55.4 | 59.3 | 129.2 | 222.3 | 268.8 | 256.6 | 232.2 | 213.9 | 207.6 |
| 100° | 31.6 | 45.9 | 60.2 | 63.8 | 141.3 | 244.6 | 296.3 | 297.1 | 298.9 | 300.3 | 292.8 |
| 102.5° | 38.2 | 51.6 | 64.9 | 68.3 | 146.8 | 251.6 | 304.0 | 319.6 | 350.8 | 374.2 | 367.8 |
| 105° | 49.4 | 60.7 | 72.0 | 74.9 | 151.0 | 252.4 | 303.1 | 338.0 | 407.9 | 460.3 | 456.9 |
| 107.5° | 60.9 | 71.4 | 81.9 | 84.6 | 151.7 | 241.2 | 285.9 | 334.7 | 432.1 | 505.2 | 506.0 |
| 110° | 68.6 | 78.2 | 87.7 | 90.1 | 150.6 | 231.3 | 271.6 | 326.1 | 435.0 | 516.6 | 520.2 |



TEST NUMBER: P936211

CATALOG NUMBER: SQ4-FB-025U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 76.3 | 85.4 | 94.4 | 96.7 | 150.6 | 222.6 | 258.5 | 314.2 | 425.7 | 509.3 | 514.7 |
| 115° | 87.8 | 96.2 | 104.5 | 106.6 | 152.0 | 212.5 | 242.8 | 296.6 | 403.9 | 484.4 | 492.1 |
| 117.5° | 99.1 | 106.7 | 114.2 | 116.2 | 154.8 | 206.3 | 232.1 | 280.6 | 377.4 | 450.1 | 458.5 |
| 120° | 105.7 | 112.9 | 120.0 | 121.8 | 157.2 | 204.3 | 227.8 | 272.1 | 360.6 | 427.0 | 435.3 |
| 122.5° | 112.1 | 119.4 | 126.6 | 128.4 | 160.4 | 203.2 | 224.5 | 264.3 | 344.1 | 403.9 | 412.0 |
| 125° | 122.1 | 128.7 | 135.3 | 136.9 | 164.9 | 202.3 | 220.9 | 254.8 | 322.6 | 373.3 | 380.8 |
| 127.5° | 130.1 | 136.7 | 143.4 | 145.0 | 169.3 | 201.7 | 217.9 | 246.9 | 305.2 | 348.7 | 355.1 |
| 130° | 134.4 | 141.6 | 148.7 | 150.5 | 172.6 | 202.0 | 216.7 | 242.6 | 294.4 | 333.2 | 339.0 |
| 132.5° | 138.9 | 146.1 | 153.2 | 155.0 | 175.2 | 202.3 | 215.8 | 238.9 | 285.3 | 320.0 | 325.1 |
| 135° | 145.5 | 152.0 | 158.5 | 160.1 | 178.1 | 202.1 | 214.0 | 233.5 | 272.3 | 301.3 | 305.8 |
| 137.5° | 152.3 | 158.7 | 165.1 | 166.7 | 182.4 | 203.3 | 213.8 | 230.2 | 263.0 | 287.6 | 291.2 |
| 140° | 157.8 | 163.8 | 169.7 | 171.2 | 185.1 | 203.5 | 212.7 | 226.9 | 255.3 | 276.5 | 279.9 |
| 142.5° | 162.1 | 167.6 | 173.1 | 174.5 | 187.2 | 204.2 | 212.7 | 225.1 | 250.1 | 268.7 | 271.7 |
| 145° | 168.7 | 173.5 | 178.3 | 179.5 | 190.1 | 204.2 | 211.3 | 221.4 | 241.8 | 257.1 | 259.3 |
| 147.5° | 175.3 | 180.0 | 184.7 | 185.8 | 194.4 | 205.6 | 211.3 | 219.3 | 235.3 | 247.3 | 249.1 |
| 150° | 179.6 | 183.8 | 188.1 | 189.2 | 196.6 | 206.4 | 211.3 | 218.1 | 231.5 | 241.7 | 243.2 |
| 152.5° | 184.1 | 187.3 | 190.5 | 191.3 | 198.0 | 206.9 | 211.3 | 217.0 | 228.6 | 237.3 | 238.4 |
| 155° | 190.7 | 193.1 | 195.5 | 196.1 | 201.1 | 207.9 | 211.3 | 215.9 | 225.0 | 231.9 | 232.7 |
| 157.5° | 195.6 | 197.9 | 200.2 | 200.8 | 204.3 | 209.0 | 211.3 | 214.8 | 222.0 | 227.3 | 227.9 |
| 160° | 198.9 | 200.8 | 202.5 | 203.0 | 205.7 | 209.5 | 211.3 | 214.3 | 220.5 | 225.0 | 225.3 |
| 162.5° | 202.2 | 203.5 | 204.9 | 205.3 | 207.3 | 209.9 | 211.3 | 213.9 | 219.0 | 222.9 | 223.2 |
| 165° | 205.8 | 207.0 | 208.2 | 208.5 | 209.5 | 210.7 | 211.3 | 213.1 | 216.8 | 219.6 | 219.9 |
| 167.5° | 209.1 | 209.7 | 210.2 | 210.4 | 211.2 | 212.2 | 212.7 | 214.0 | 216.3 | 218.2 | 218.3 |
| 170° | 211.3 | 211.8 | 212.4 | 212.5 | 212.6 | 212.7 | 212.7 | 214.0 | 216.3 | 218.2 | 218.2 |
| 172.5° | 212.4 | 212.5 | 212.7 | 212.7 | 212.7 | 212.7 | 212.7 | 213.7 | 215.6 | 217.0 | 216.9 |
| 175° | 214.0 | 214.0 | 214.0 | 214.0 | 213.6 | 213.0 | 212.7 | 213.3 | 214.5 | 215.5 | 215.5 |
| 177.5° | 214.0 | 214.0 | 214.0 | 214.0 | 213.7 | 213.2 | 213.0 | 213.5 | 214.4 | 215.2 | 215.1 |
| 180° | 214.0 | 214.0 | 214.0 | 214.0 | 214.0 | 214.0 | 214.0 | 214.0 | 214.0 | 214.0 | 214.0 |



TEST NUMBER: P936211

CATALOG NUMBER: SQ4-FB-025U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 0° | 299.0 | 299.0 |
| 2.5° | 319.2 | 317.3 |
| 5° | 410.6 | 412.5 |
| 7.5° | 553.0 | 552.0 |
| 10° | 687.6 | 696.2 |
| 12.5° | 785.6 | 787.6 |
| 15° | 845.3 | 849.1 |
| 17.5° | 868.3 | 869.3 |
| 20° | 869.3 | 867.4 |
| 22.5° | 858.7 | 856.8 |
| 25° | 846.3 | 845.3 |
| 27.5° | 834.7 | 835.6 |
| 30° | 829.9 | 832.8 |
| 32.5° | 829.9 | 834.7 |
| 35° | 831.8 | 836.6 |
| 37.5° | 830.9 | 836.6 |
| 40° | 826.9 | 833.7 |
| 42.5° | 816.4 | 821.2 |
| 45° | 800.1 | 805.8 |
| 47.5° | 778.9 | 782.8 |
| 50° | 752.0 | 755.8 |
| 52.5° | 718.3 | 719.3 |
| 55° | 677.9 | 681.8 |
| 57.5° | 634.7 | 635.6 |
| 60° | 586.6 | 589.5 |
| 62.5° | 535.6 | 535.6 |
| 65° | 481.7 | 483.6 |
| 67.5° | 426.0 | 430.8 |
| 70° | 369.3 | 370.3 |
| 72.5° | 313.5 | 313.5 |
| 75° | 255.8 | 256.8 |
| 77.5° | 201.0 | 201.0 |
| 80° | 149.0 | 150.0 |
| 82.5° | 102.9 | 104.8 |
| 85° | 64.4 | 64.4 |
| 87.5° | 29.8 | 27.0 |
| 90° | 5.4 | 5.4 |
| 92.5° | 21.8 | 17.5 |
| 95° | 76.2 | 63.1 |
| 97.5° | 182.6 | 157.5 |
| 100° | 263.1 | 233.3 |
| 102.5° | 342.2 | 316.7 |
| 105° | 443.2 | 429.4 |
| 107.5° | 509.3 | 512.6 |
| 110° | 534.5 | 548.8 |



TEST NUMBER: P936211

CATALOG NUMBER: SQ4-FB-025U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 536.7 | 558.7 |
| 115° | 522.5 | 553.0 |
| 117.5° | 492.3 | 526.1 |
| 120° | 468.1 | 500.8 |
| 122.5° | 444.3 | 476.7 |
| 125° | 410.5 | 440.3 |
| 127.5° | 380.2 | 405.3 |
| 130° | 362.2 | 385.5 |
| 132.5° | 346.0 | 366.8 |
| 135° | 323.7 | 341.7 |
| 137.5° | 305.9 | 320.5 |
| 140° | 293.6 | 307.4 |
| 142.5° | 283.5 | 295.3 |
| 145° | 268.3 | 277.2 |
| 147.5° | 256.6 | 264.0 |
| 150° | 249.2 | 255.3 |
| 152.5° | 242.9 | 247.5 |
| 155° | 235.7 | 238.7 |
| 157.5° | 230.0 | 232.1 |
| 160° | 226.6 | 227.8 |
| 162.5° | 224.4 | 225.5 |
| 165° | 221.1 | 222.4 |
| 167.5° | 218.8 | 219.3 |
| 170° | 218.2 | 218.2 |
| 172.5° | 216.4 | 216.1 |
| 175° | 215.5 | 215.5 |
| 177.5° | 214.5 | 214.0 |
| 180° | 214.0 | 214.0 |



TEST NUMBER: P936211
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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 | 4.20 | 5.24 | 5.04 | 6.10 | 7.18 | 17.37 | 18.41 | 18.20 | 19.27 | 20.34 |
| | 3H | 4.92 | 5.86 | 5.77 | 6.73 | 7.83 | 19.22 | 20.15 | 20.06 | 21.02 | 22.12 |
| | 4H | 5.23 | 6.11 | 6.09 | 6.99 | 8.10 | 19.87 | 20.75 | 20.73 | 21.63 | 22.74 |
| | 6H | 5.49 | 6.31 | 6.36 | 7.19 | 8.32 | 20.30 | 21.12 | 21.18 | 22.00 | 23.13 |
| | 8H | 5.56 | 6.34 | 6.44 | 7.25 | 8.37 | 20.42 | 21.20 | 21.31 | 22.11 | 23.24 |
| | 12H | 5.59 | 6.33 | 6.48 | 7.23 | 8.38 | 20.50 | 21.24 | 21.39 | 22.14 | 23.29 |
| 4H | 2H | 11.43 | 12.32 | 12.30 | 13.19 | 14.31 | 17.66 | 18.55 | 18.53 | 19.43 | 20.54 |
| | 3H | 13.02 | 13.76 | 13.89 | 14.67 | 15.80 | 19.72 | 20.46 | 20.60 | 21.37 | 22.50 |
| | 4H | 13.12 | 13.80 | 14.01 | 14.70 | 15.86 | 20.49 | 21.17 | 21.38 | 22.08 | 23.23 |
| | 6H | 13.14 | 13.73 | 14.05 | 14.66 | 15.81 | 21.04 | 21.62 | 21.94 | 22.55 | 23.71 |
| | 8H | 13.12 | 13.67 | 14.03 | 14.60 | 15.77 | 21.20 | 21.75 | 22.11 | 22.68 | 23.85 |
| | 12H | 13.09 | 13.58 | 14.02 | 14.53 | 15.70 | 21.30 | 21.80 | 22.23 | 22.74 | 23.92 |
| 8H | 4H | 14.57 | 15.12 | 15.48 | 16.05 | 17.22 | 20.57 | 21.12 | 21.48 | 22.04 | 23.21 |
| | 6H | 14.83 | 15.28 | 15.76 | 16.25 | 17.42 | 21.20 | 21.66 | 22.14 | 22.62 | 23.79 |
| | 8H | 14.85 | 15.25 | 15.79 | 16.21 | 17.40 | 21.42 | 21.83 | 22.37 | 22.78 | 23.97 |
| | 12H | 14.82 | 15.18 | 15.77 | 16.13 | 17.37 | 21.57 | 21.93 | 22.52 | 22.88 | 24.11 |
| 12H | 4H | 14.73 | 15.22 | 15.66 | 16.17 | 17.34 | 20.53 | 21.03 | 21.46 | 21.97 | 23.15 |
| | 6H | 15.09 | 15.49 | 16.03 | 16.45 | 17.64 | 21.19 | 21.59 | 22.13 | 22.55 | 23.74 |
| | 8H | 15.16 | 15.52 | 16.11 | 16.47 | 17.71 | 21.42 | 21.78 | 22.37 | 22.73 | 23.97 |