

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: P936274

Luminaire Tested: SQ4-FB-025U-050D-940-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936274
REPORT IS A COMBINATION OF REPORTS P933437 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-050D-940-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

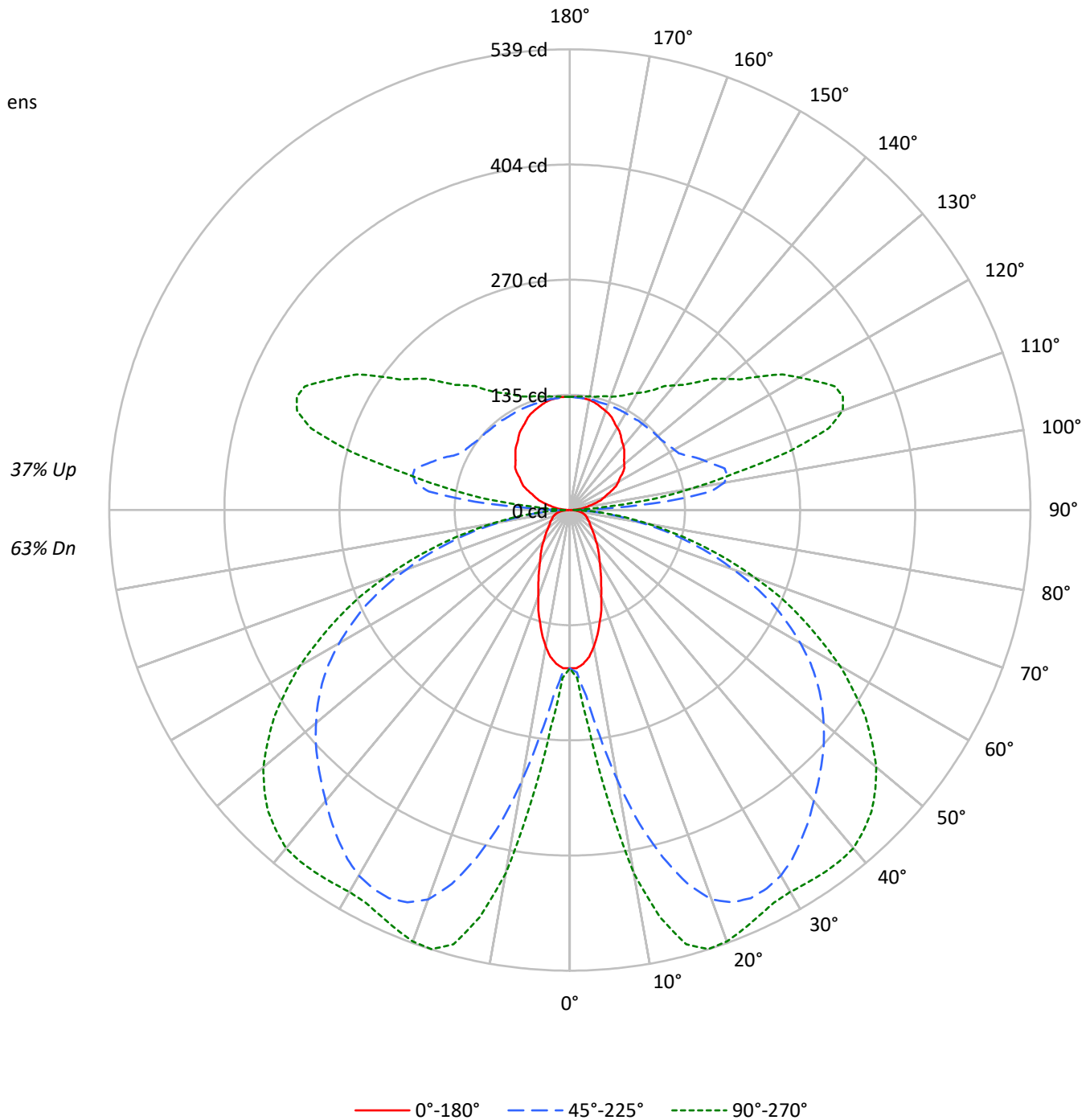
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2292.8 lumens
Efficiency: N/A
Efficacy: 104.2 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): 22
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: P936274
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Luminous Intensity Polar Plot





TEST NUMBER: P936274

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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 | 64 | 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° | 1719 | 1719 | 1719 |
| 5° | 1678 | 1985 | 2311 |
| 10° | 1521 | 2892 | 3831 |
| 15° | 1290 | 3776 | 4627 |
| 20° | 1050 | 4372 | 4714 |
| 25° | 874 | 4572 | 4619 |
| 30° | 736 | 4597 | 4610 |
| 35° | 649 | 4517 | 4728 |
| 40° | 566 | 4414 | 4852 |
| 45° | 511 | 4338 | 4871 |
| 50° | 468 | 4268 | 4790 |
| 55° | 447 | 4169 | 4578 |
| 60° | 455 | 3980 | 4242 |
| 65° | 471 | 3696 | 3782 |
| 70° | 498 | 3216 | 3196 |
| 75° | 548 | 2615 | 2493 |
| 80° | 585 | 1808 | 1681 |
| 85° | 489 | 955 | 860 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4871 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.0 | 1.0 |
| 10°-20° | 106.2 | 4.6 |
| 20°-30° | 185.8 | 8.1 |
| 30°-40° | 239.2 | 10.4 |
| 40°-50° | 267.1 | 11.7 |
| 50°-60° | 255.9 | 11.2 |
| 60°-70° | 202.8 | 8.8 |
| 70°-80° | 119.2 | 5.2 |
| 80°-90° | 33.6 | 1.5 |
| 90°-100° | 64.6 | 2.8 |
| 100°-110° | 169.8 | 7.4 |
| 110°-120° | 176.1 | 7.7 |
| 120°-130° | 141.2 | 6.2 |
| 130°-140° | 110.8 | 4.8 |
| 140°-150° | 85.1 | 3.7 |
| 150°-160° | 61.3 | 2.7 |
| 160°-170° | 37.5 | 1.6 |
| 170°-180° | 12.7 | 0.6 |
| 0°-30° | 316.0 | 13.8 |
| 0°-40° | 555.1 | 24.2 |
| 0°-60° | 1078.1 | 47.0 |
| 0°-90° | 1433.7 | 62.5 |
| 90°-120° | 410.5 | 17.9 |
| 90°-150° | 747.7 | 32.6 |
| 90°-180° | 859.0 | 37.5 |
| 0°-180° | 2292.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 185 | 185 | 185 | 185 | 185 | |
| 5° | 180 | 194 | 218 | 247 | 256 | 17 |
| 15° | 135 | 250 | 421 | 510 | 526 | 38 |
| 25° | 86 | 283 | 501 | 523 | 524 | 40 |
| 35° | 58 | 270 | 472 | 499 | 518 | 36 |
| 45° | 40 | 216 | 417 | 478 | 499 | 31 |
| 55° | 29 | 137 | 354 | 411 | 422 | 26 |
| 65° | 23 | 73 | 263 | 295 | 300 | 22 |
| 75° | 17 | 45 | 144 | 158 | 159 | 17 |
| 85° | 6 | 14 | 36 | 39 | 40 | 6 |
| 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: P936274

CATALOG NUMBER: SQ4-FB-025U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 |
| 2.5° | 185.2 | 185.2 | 186.5 | 187.0 | 188.3 | 188.9 | 190.0 | 191.2 | 194.8 | 195.4 | 196.6 |
| 5° | 180.5 | 182.9 | 190.7 | 193.6 | 201.9 | 213.3 | 218.0 | 225.8 | 241.9 | 246.6 | 249.6 |
| 7.5° | 173.3 | 178.8 | 197.8 | 202.6 | 223.4 | 253.2 | 265.7 | 282.4 | 308.0 | 320.5 | 330.6 |
| 10° | 162.1 | 173.3 | 207.3 | 218.6 | 252.5 | 297.8 | 321.1 | 344.4 | 383.1 | 400.3 | 406.9 |
| 12.5° | 149.5 | 168.0 | 217.5 | 232.9 | 281.8 | 347.9 | 375.9 | 401.6 | 445.6 | 468.9 | 472.4 |
| 15° | 135.2 | 160.3 | 227.0 | 249.6 | 312.8 | 389.6 | 420.6 | 452.2 | 493.3 | 509.9 | 514.1 |
| 17.5° | 122.7 | 154.3 | 235.9 | 259.7 | 336.6 | 427.1 | 458.7 | 484.9 | 518.2 | 529.6 | 532.5 |
| 20° | 107.3 | 144.7 | 241.9 | 272.9 | 361.6 | 454.6 | 484.9 | 505.2 | 527.8 | 534.9 | 536.2 |
| 22.5° | 95.9 | 134.6 | 245.4 | 277.6 | 378.3 | 471.2 | 496.8 | 512.9 | 528.4 | 530.8 | 531.4 |
| 25° | 86.4 | 123.3 | 244.8 | 283.0 | 392.6 | 481.3 | 501.0 | 512.9 | 521.9 | 523.0 | 523.0 |
| 27.5° | 77.4 | 110.8 | 242.4 | 284.2 | 403.3 | 483.7 | 499.2 | 507.6 | 511.8 | 514.1 | 514.1 |
| 30° | 69.7 | 98.9 | 236.5 | 281.8 | 408.0 | 481.3 | 493.8 | 498.0 | 502.2 | 505.8 | 507.6 |
| 32.5° | 63.8 | 87.6 | 227.6 | 277.0 | 408.7 | 475.3 | 484.3 | 486.7 | 492.7 | 501.0 | 503.9 |
| 35° | 58.3 | 76.3 | 217.5 | 270.5 | 405.1 | 465.8 | 471.8 | 474.2 | 486.1 | 498.6 | 502.8 |
| 37.5° | 53.0 | 67.9 | 204.3 | 259.1 | 399.7 | 454.6 | 458.7 | 462.9 | 481.3 | 496.2 | 501.0 |
| 40° | 47.7 | 60.7 | 188.9 | 246.6 | 391.4 | 440.8 | 444.4 | 450.9 | 475.3 | 492.7 | 497.5 |
| 42.5° | 43.5 | 54.8 | 172.2 | 233.5 | 380.7 | 425.4 | 430.7 | 440.3 | 468.2 | 486.7 | 492.0 |
| 45° | 39.9 | 48.8 | 154.3 | 215.6 | 366.9 | 409.3 | 417.0 | 430.1 | 459.9 | 477.7 | 482.5 |
| 47.5° | 36.3 | 44.7 | 135.9 | 197.2 | 352.1 | 393.2 | 403.3 | 418.2 | 448.6 | 465.8 | 470.0 |
| 50° | 33.4 | 40.5 | 117.4 | 177.5 | 336.0 | 375.9 | 387.8 | 403.3 | 434.3 | 450.4 | 455.7 |
| 52.5° | 31.0 | 36.9 | 100.1 | 157.9 | 317.5 | 358.0 | 371.7 | 387.8 | 417.0 | 432.5 | 436.1 |
| 55° | 28.6 | 33.9 | 85.2 | 137.0 | 298.5 | 338.9 | 353.9 | 369.3 | 397.9 | 411.1 | 413.5 |
| 57.5° | 27.4 | 31.6 | 72.6 | 117.4 | 278.2 | 317.5 | 334.2 | 348.5 | 375.3 | 385.4 | 387.8 |
| 60° | 25.6 | 29.7 | 63.1 | 100.7 | 256.2 | 297.3 | 311.6 | 325.9 | 348.5 | 356.8 | 358.7 |
| 62.5° | 23.8 | 28.6 | 56.0 | 84.6 | 233.5 | 273.4 | 287.7 | 300.9 | 319.9 | 325.9 | 328.2 |
| 65° | 22.6 | 27.4 | 50.6 | 72.6 | 210.3 | 248.4 | 262.7 | 274.0 | 289.5 | 295.4 | 296.7 |
| 67.5° | 21.5 | 26.2 | 46.4 | 62.5 | 187.0 | 223.4 | 234.1 | 244.8 | 256.7 | 262.7 | 263.3 |
| 70° | 19.6 | 25.0 | 42.9 | 55.4 | 163.2 | 194.8 | 203.7 | 215.1 | 224.6 | 227.6 | 229.4 |
| 72.5° | 18.5 | 23.3 | 40.5 | 50.1 | 138.8 | 167.4 | 175.7 | 182.3 | 190.7 | 193.6 | 193.6 |
| 75° | 16.7 | 20.9 | 38.1 | 44.7 | 113.8 | 137.0 | 144.1 | 150.7 | 157.3 | 158.4 | 156.6 |
| 77.5° | 14.9 | 18.5 | 32.8 | 37.6 | 88.8 | 108.4 | 114.4 | 117.9 | 123.3 | 124.5 | 125.1 |
| 80° | 12.5 | 16.1 | 25.6 | 29.2 | 64.4 | 79.8 | 84.0 | 86.9 | 91.7 | 91.7 | 93.0 |
| 82.5° | 9.5 | 12.5 | 18.5 | 20.9 | 43.5 | 54.8 | 58.3 | 60.2 | 63.1 | 63.1 | 63.1 |
| 85° | 5.9 | 7.7 | 11.9 | 13.7 | 26.2 | 33.4 | 35.8 | 36.3 | 38.7 | 39.3 | 39.3 |
| 87.5° | 3.0 | 4.2 | 7.7 | 8.3 | 13.7 | 17.3 | 17.3 | 18.5 | 18.5 | 17.8 | 17.3 |
| 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: P936274

CATALOG NUMBER: SQ4-FB-025U-050D-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: P936274

CATALOG NUMBER: SQ4-FB-025U-050D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 0° | 185.2 | 185.2 |
| 2.5° | 197.8 | 196.6 |
| 5° | 254.4 | 255.6 |
| 7.5° | 342.5 | 342.0 |
| 10° | 426.0 | 431.3 |
| 12.5° | 486.7 | 487.9 |
| 15° | 523.7 | 526.1 |
| 17.5° | 538.0 | 538.6 |
| 20° | 538.6 | 537.3 |
| 22.5° | 532.0 | 530.8 |
| 25° | 524.3 | 523.7 |
| 27.5° | 517.1 | 517.7 |
| 30° | 514.1 | 515.9 |
| 32.5° | 514.1 | 517.1 |
| 35° | 515.3 | 518.2 |
| 37.5° | 514.7 | 518.2 |
| 40° | 512.3 | 516.5 |
| 42.5° | 505.8 | 508.7 |
| 45° | 495.6 | 499.2 |
| 47.5° | 482.5 | 484.9 |
| 50° | 465.8 | 468.2 |
| 52.5° | 445.0 | 445.6 |
| 55° | 420.0 | 422.3 |
| 57.5° | 393.2 | 393.7 |
| 60° | 363.4 | 365.1 |
| 62.5° | 331.8 | 331.8 |
| 65° | 298.5 | 299.6 |
| 67.5° | 263.9 | 266.8 |
| 70° | 228.7 | 229.4 |
| 72.5° | 194.2 | 194.2 |
| 75° | 158.4 | 159.0 |
| 77.5° | 124.5 | 124.5 |
| 80° | 92.4 | 93.0 |
| 82.5° | 63.8 | 64.9 |
| 85° | 39.9 | 39.9 |
| 87.5° | 18.5 | 16.7 |
| 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: P936274

CATALOG NUMBER: SQ4-FB-025U-050D-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: P936274
 CATALOG NUMBER: SQ4-FB-025U-050D-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 | 3.93 | 4.97 | 4.77 | 5.83 | 6.91 | 17.08 | 18.12 | 17.91 | 18.98 | 20.05 |
| | 3H | 4.65 | 5.59 | 5.50 | 6.46 | 7.56 | 18.91 | 19.85 | 19.76 | 20.72 | 21.82 |
| | 4H | 4.96 | 5.85 | 5.82 | 6.72 | 7.84 | 19.56 | 20.44 | 20.42 | 21.32 | 22.43 |
| | 6H | 5.22 | 6.04 | 6.10 | 6.93 | 8.05 | 19.99 | 20.80 | 20.86 | 21.69 | 22.82 |
| | 8H | 5.30 | 6.08 | 6.18 | 6.98 | 8.11 | 20.11 | 20.88 | 20.99 | 21.79 | 22.92 |
| | 12H | 5.32 | 6.06 | 6.21 | 6.96 | 8.11 | 20.17 | 20.92 | 21.06 | 21.81 | 22.97 |
| 4H | 2H | 11.15 | 12.03 | 12.02 | 12.91 | 14.03 | 17.37 | 18.26 | 18.24 | 19.14 | 20.25 |
| | 3H | 12.74 | 13.48 | 13.61 | 14.39 | 15.52 | 19.42 | 20.16 | 20.30 | 21.07 | 22.20 |
| | 4H | 12.84 | 13.52 | 13.73 | 14.42 | 15.58 | 20.19 | 20.86 | 21.08 | 21.77 | 22.92 |
| | 6H | 12.86 | 13.45 | 13.77 | 14.38 | 15.54 | 20.72 | 21.31 | 21.63 | 22.24 | 23.40 |
| | 8H | 12.84 | 13.39 | 13.75 | 14.32 | 15.49 | 20.88 | 21.43 | 21.79 | 22.36 | 23.53 |
| | 12H | 12.81 | 13.30 | 13.74 | 14.25 | 15.43 | 20.98 | 21.47 | 21.91 | 22.42 | 23.59 |
| 8H | 4H | 14.29 | 14.84 | 15.20 | 15.76 | 16.93 | 20.26 | 20.81 | 21.17 | 21.74 | 22.91 |
| | 6H | 14.54 | 15.00 | 15.48 | 15.96 | 17.13 | 20.89 | 21.34 | 21.82 | 22.31 | 23.48 |
| | 8H | 14.56 | 14.97 | 15.51 | 15.92 | 17.11 | 21.10 | 21.51 | 22.05 | 22.46 | 23.65 |
| | 12H | 14.54 | 14.89 | 15.49 | 15.84 | 17.08 | 21.25 | 21.60 | 22.20 | 22.55 | 23.79 |
| 12H | 4H | 14.44 | 14.93 | 15.37 | 15.88 | 17.05 | 20.22 | 20.72 | 21.15 | 21.66 | 22.84 |
| | 6H | 14.80 | 15.20 | 15.74 | 16.16 | 17.35 | 20.87 | 21.28 | 21.82 | 22.23 | 23.42 |
| | 8H | 14.88 | 15.23 | 15.83 | 16.18 | 17.42 | 21.10 | 21.46 | 22.05 | 22.41 | 23.65 |