

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: P936658

Luminaire Tested: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936658
REPORT IS A COMBINATION OF REPORTS P933469 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

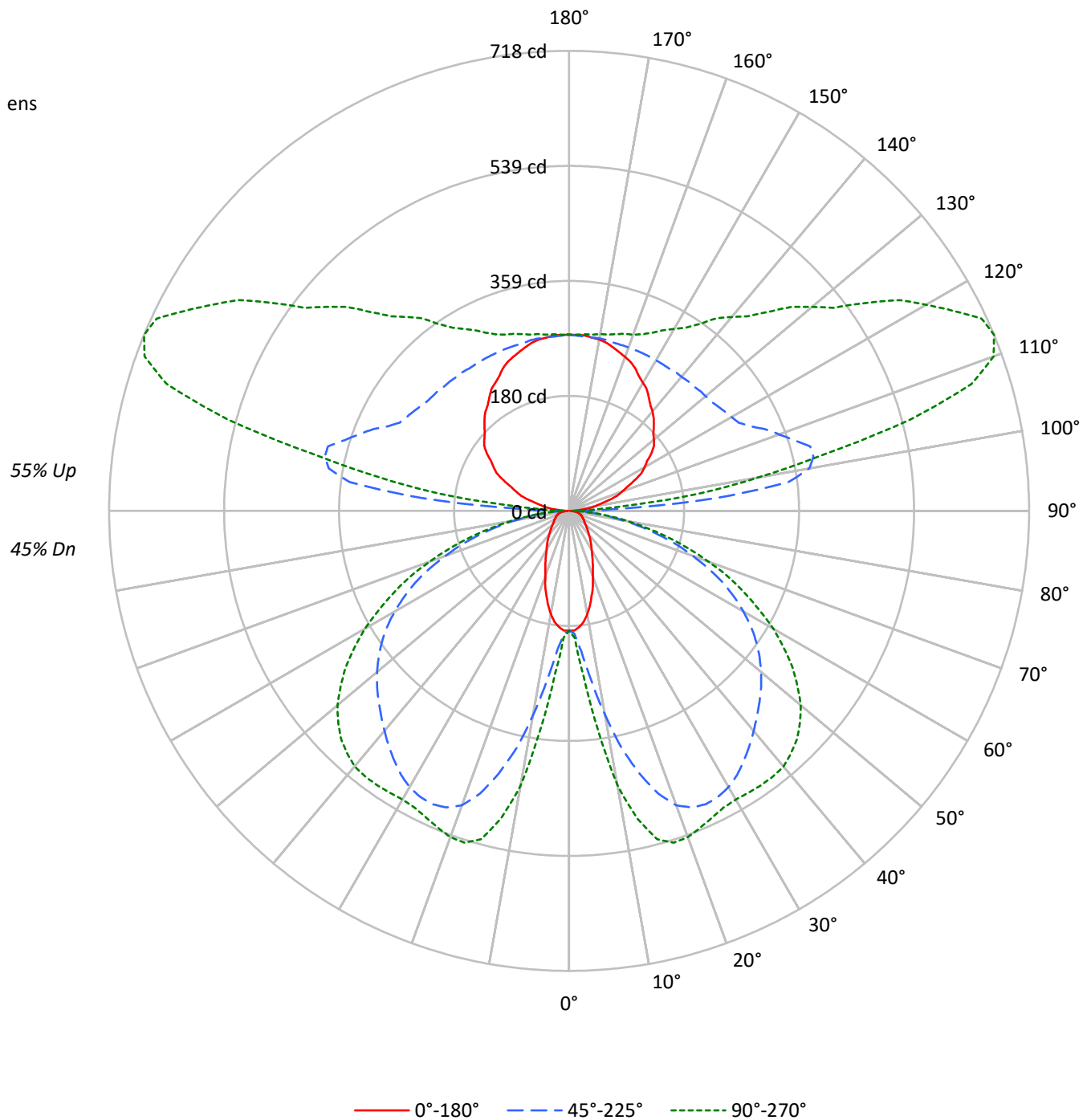
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3228.5 lumens
Efficiency: N/A
Efficacy: 113.7 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: General Diffuse

Input Watts (W): 28.4
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: P936658
CATALOG NUMBER: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P936658

CATALOG NUMBER: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 81 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 43 | 42 | 37 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 | 25 |
| 4 | 72 | 61 | 53 | 47 | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 25 | 21 |
| 5 | 66 | 54 | 46 | 39 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 26 | 23 | 21 | 18 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 21 | 18 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 12 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 10 |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1733 | 1733 | 1733 |
| 5° | 1692 | 2002 | 2330 |
| 10° | 1533 | 2916 | 3863 |
| 15° | 1302 | 3806 | 4664 |
| 20° | 1059 | 4408 | 4754 |
| 25° | 881 | 4609 | 4657 |
| 30° | 743 | 4635 | 4648 |
| 35° | 655 | 4555 | 4768 |
| 40° | 571 | 4451 | 4892 |
| 45° | 515 | 4373 | 4911 |
| 50° | 472 | 4303 | 4830 |
| 55° | 450 | 4203 | 4616 |
| 60° | 459 | 4013 | 4278 |
| 65° | 475 | 3725 | 3813 |
| 70° | 503 | 3243 | 3222 |
| 75° | 551 | 2636 | 2515 |
| 80° | 590 | 1823 | 1694 |
| 85° | 497 | 964 | 866 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4911 cd/sqm



TEST NUMBER: P936658

CATALOG NUMBER: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.2 | 0.7 |
| 10°-20° | 107.1 | 3.3 |
| 20°-30° | 187.3 | 5.8 |
| 30°-40° | 241.1 | 7.5 |
| 40°-50° | 269.3 | 8.3 |
| 50°-60° | 258.0 | 8.0 |
| 60°-70° | 204.4 | 6.3 |
| 70°-80° | 120.2 | 3.7 |
| 80°-90° | 34.4 | 1.1 |
| 90°-100° | 134.0 | 4.2 |
| 100°-110° | 352.4 | 10.9 |
| 110°-120° | 365.4 | 11.3 |
| 120°-130° | 293.1 | 9.1 |
| 130°-140° | 230.0 | 7.1 |
| 140°-150° | 176.5 | 5.5 |
| 150°-160° | 127.1 | 3.9 |
| 160°-170° | 77.8 | 2.4 |
| 170°-180° | 26.3 | 0.8 |
| 0°-30° | 318.6 | 9.9 |
| 0°-40° | 559.7 | 17.3 |
| 0°-60° | 1087.0 | 33.7 |
| 0°-90° | 1446.1 | 44.8 |
| 90°-120° | 851.7 | 26.4 |
| 90°-150° | 1551.3 | 48.0 |
| 90°-180° | 1782.0 | 55.2 |
| 0°-180° | 3228.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 187 | 187 | 187 | 187 | 187 | |
| 5° | 182 | 195 | 220 | 249 | 258 | 17 |
| 15° | 136 | 252 | 424 | 514 | 530 | 38 |
| 25° | 87 | 285 | 505 | 527 | 528 | 40 |
| 35° | 59 | 273 | 476 | 503 | 522 | 37 |
| 45° | 40 | 217 | 420 | 482 | 503 | 31 |
| 55° | 29 | 138 | 357 | 414 | 426 | 26 |
| 65° | 23 | 73 | 265 | 298 | 302 | 23 |
| 75° | 17 | 45 | 145 | 160 | 160 | 18 |
| 85° | 6 | 14 | 36 | 40 | 40 | 6 |
| 90° | 2 | 5 | 14 | 7 | 7 | 2 |
| 95° | 18 | 69 | 231 | 119 | 81 | 20 |
| 105° | 64 | 96 | 390 | 591 | 552 | 67 |
| 115° | 113 | 137 | 312 | 622 | 710 | 111 |
| 125° | 157 | 176 | 284 | 480 | 566 | 139 |
| 135° | 187 | 206 | 275 | 387 | 439 | 145 |
| 145° | 217 | 231 | 272 | 330 | 356 | 136 |
| 155° | 245 | 252 | 272 | 298 | 307 | 113 |
| 165° | 264 | 268 | 272 | 282 | 286 | 75 |
| 175° | 275 | 275 | 273 | 277 | 277 | 26 |
| 180° | 275 | 275 | 275 | 275 | 275 | |



TEST NUMBER: P936658

CATALOG NUMBER: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 186.8 | 186.8 | 186.8 | 186.8 | 186.8 | 186.8 | 186.8 | 186.8 | 186.8 | 186.8 | 186.8 |
| 2.5° | 186.8 | 186.8 | 188.0 | 188.6 | 189.8 | 190.4 | 191.6 | 192.8 | 196.4 | 197.0 | 198.2 |
| 5° | 182.0 | 184.4 | 192.2 | 195.2 | 203.6 | 215.1 | 219.8 | 227.7 | 243.9 | 248.6 | 251.7 |
| 7.5° | 174.8 | 180.2 | 199.4 | 204.2 | 225.3 | 255.3 | 267.9 | 284.7 | 310.5 | 323.1 | 333.3 |
| 10° | 163.4 | 174.8 | 209.1 | 220.4 | 254.6 | 300.3 | 323.7 | 347.2 | 386.2 | 403.6 | 410.2 |
| 12.5° | 150.8 | 169.4 | 219.3 | 234.8 | 284.1 | 350.8 | 379.0 | 404.9 | 449.3 | 472.7 | 476.3 |
| 15° | 136.4 | 161.6 | 228.8 | 251.7 | 315.3 | 392.8 | 424.0 | 455.9 | 497.3 | 514.1 | 518.3 |
| 17.5° | 123.7 | 155.6 | 237.9 | 261.9 | 339.3 | 430.6 | 462.5 | 488.9 | 522.5 | 534.0 | 536.9 |
| 20° | 108.2 | 145.9 | 243.9 | 275.1 | 364.6 | 458.3 | 488.9 | 509.3 | 532.2 | 539.3 | 540.6 |
| 22.5° | 96.7 | 135.7 | 247.5 | 279.9 | 381.4 | 475.1 | 500.9 | 517.1 | 532.7 | 535.1 | 535.8 |
| 25° | 87.1 | 124.4 | 246.8 | 285.3 | 395.8 | 485.3 | 505.1 | 517.1 | 526.2 | 527.3 | 527.3 |
| 27.5° | 78.1 | 111.7 | 244.4 | 286.5 | 406.7 | 487.7 | 503.3 | 511.8 | 516.0 | 518.3 | 518.3 |
| 30° | 70.3 | 99.7 | 238.4 | 284.1 | 411.4 | 485.3 | 497.9 | 502.1 | 506.3 | 510.0 | 511.8 |
| 32.5° | 64.3 | 88.3 | 229.5 | 279.2 | 412.0 | 479.3 | 488.3 | 490.7 | 496.7 | 505.1 | 508.1 |
| 35° | 58.8 | 76.9 | 219.3 | 272.7 | 408.4 | 469.7 | 475.7 | 478.1 | 490.1 | 502.7 | 506.9 |
| 37.5° | 53.5 | 68.5 | 206.0 | 261.3 | 403.0 | 458.3 | 462.5 | 466.7 | 485.3 | 500.3 | 505.1 |
| 40° | 48.1 | 61.2 | 190.4 | 248.6 | 394.7 | 444.4 | 448.1 | 454.6 | 479.3 | 496.7 | 501.6 |
| 42.5° | 43.9 | 55.2 | 173.6 | 235.5 | 383.8 | 428.9 | 434.2 | 443.9 | 472.1 | 490.7 | 496.1 |
| 45° | 40.2 | 49.2 | 155.6 | 217.4 | 369.9 | 412.6 | 420.4 | 433.7 | 463.7 | 481.7 | 486.5 |
| 47.5° | 36.6 | 45.0 | 137.0 | 198.8 | 355.0 | 396.4 | 406.7 | 421.6 | 452.3 | 469.7 | 473.9 |
| 50° | 33.7 | 40.8 | 118.4 | 179.0 | 338.8 | 379.0 | 391.0 | 406.7 | 437.9 | 454.1 | 459.5 |
| 52.5° | 31.2 | 37.2 | 100.9 | 159.2 | 320.2 | 361.0 | 374.8 | 391.0 | 420.4 | 436.0 | 439.7 |
| 55° | 28.8 | 34.2 | 85.9 | 138.1 | 300.9 | 341.7 | 356.8 | 372.4 | 401.2 | 414.4 | 416.9 |
| 57.5° | 27.7 | 31.9 | 73.2 | 118.4 | 280.5 | 320.2 | 336.9 | 351.3 | 378.4 | 388.6 | 391.0 |
| 60° | 25.8 | 30.0 | 63.7 | 101.5 | 258.3 | 299.8 | 314.2 | 328.6 | 351.3 | 359.7 | 361.6 |
| 62.5° | 24.0 | 28.8 | 56.5 | 85.3 | 235.5 | 275.7 | 290.1 | 303.3 | 322.5 | 328.6 | 330.9 |
| 65° | 22.8 | 27.7 | 51.0 | 73.2 | 212.0 | 250.4 | 264.8 | 276.3 | 291.9 | 297.9 | 299.1 |
| 67.5° | 21.7 | 26.4 | 46.8 | 63.0 | 188.6 | 225.3 | 236.0 | 246.8 | 258.8 | 264.8 | 265.5 |
| 70° | 19.8 | 25.2 | 43.2 | 55.9 | 164.6 | 196.4 | 205.4 | 216.8 | 226.4 | 229.5 | 231.3 |
| 72.5° | 18.6 | 23.5 | 40.8 | 50.5 | 139.9 | 168.8 | 177.2 | 183.8 | 192.2 | 195.2 | 195.2 |
| 75° | 16.8 | 21.0 | 38.4 | 45.0 | 114.7 | 138.1 | 145.3 | 151.9 | 158.6 | 159.7 | 157.9 |
| 77.5° | 15.0 | 18.6 | 33.0 | 37.9 | 89.5 | 109.3 | 115.3 | 118.9 | 124.4 | 125.5 | 126.1 |
| 80° | 12.6 | 16.2 | 25.8 | 29.5 | 64.9 | 80.5 | 84.7 | 87.7 | 92.5 | 92.5 | 93.7 |
| 82.5° | 9.6 | 12.6 | 18.6 | 21.0 | 43.9 | 55.2 | 58.8 | 60.7 | 63.7 | 63.7 | 63.7 |
| 85° | 6.0 | 7.8 | 12.0 | 13.8 | 26.4 | 33.7 | 36.1 | 36.6 | 39.0 | 39.7 | 39.7 |
| 87.5° | 3.0 | 4.2 | 7.8 | 8.4 | 13.8 | 17.5 | 17.5 | 18.6 | 18.6 | 18.0 | 17.5 |
| 90° | 1.9 | 3.3 | 4.8 | 5.2 | 8.1 | 12.1 | 14.1 | 12.4 | 9.3 | 7.0 | 7.0 |
| 92.5° | 7.3 | 19.9 | 32.5 | 35.6 | 50.0 | 69.3 | 79.0 | 69.2 | 49.7 | 35.1 | 33.7 |
| 95° | 17.7 | 40.6 | 63.7 | 69.4 | 123.2 | 194.9 | 230.8 | 205.9 | 156.2 | 119.0 | 114.8 |
| 97.5° | 30.6 | 50.9 | 71.1 | 76.2 | 165.9 | 285.6 | 345.4 | 329.7 | 298.3 | 274.8 | 266.7 |
| 100° | 40.6 | 58.9 | 77.4 | 81.9 | 181.5 | 314.3 | 380.7 | 381.9 | 384.2 | 385.9 | 376.3 |
| 102.5° | 49.1 | 66.3 | 83.4 | 87.7 | 188.6 | 323.3 | 390.6 | 410.7 | 450.7 | 480.7 | 472.5 |
| 105° | 63.5 | 78.0 | 92.5 | 96.2 | 193.9 | 324.4 | 389.6 | 434.4 | 524.1 | 591.4 | 587.1 |
| 107.5° | 78.3 | 91.8 | 105.3 | 108.7 | 194.9 | 310.0 | 367.4 | 430.0 | 555.2 | 649.0 | 650.1 |
| 110° | 88.2 | 100.4 | 112.6 | 115.7 | 193.5 | 297.2 | 349.0 | 418.9 | 558.9 | 663.8 | 668.4 |



TEST NUMBER: P936658

CATALOG NUMBER: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 97.9 | 109.6 | 121.2 | 124.2 | 193.5 | 286.0 | 332.2 | 403.8 | 546.9 | 654.4 | 661.5 |
| 115° | 112.7 | 123.5 | 134.2 | 136.9 | 195.3 | 273.1 | 312.0 | 381.0 | 518.9 | 622.4 | 632.2 |
| 117.5° | 127.3 | 137.1 | 146.8 | 149.2 | 198.9 | 265.1 | 298.2 | 360.5 | 484.9 | 578.3 | 589.1 |
| 120° | 135.8 | 145.0 | 154.2 | 156.5 | 201.9 | 262.4 | 292.7 | 349.5 | 463.3 | 548.6 | 559.2 |
| 122.5° | 144.1 | 153.5 | 162.7 | 165.0 | 206.1 | 261.0 | 288.4 | 339.6 | 442.1 | 518.9 | 529.3 |
| 125° | 156.9 | 165.3 | 173.7 | 175.8 | 211.8 | 259.8 | 283.8 | 327.3 | 414.4 | 479.6 | 489.2 |
| 127.5° | 167.2 | 175.7 | 184.3 | 186.4 | 217.6 | 259.2 | 280.0 | 317.3 | 392.0 | 448.0 | 456.1 |
| 130° | 172.7 | 181.9 | 191.1 | 193.4 | 221.8 | 259.6 | 278.4 | 311.7 | 378.3 | 428.1 | 435.6 |
| 132.5° | 178.4 | 187.7 | 196.8 | 199.1 | 225.2 | 259.8 | 277.2 | 306.9 | 366.5 | 411.1 | 417.8 |
| 135° | 186.9 | 195.3 | 203.7 | 205.7 | 228.8 | 259.6 | 275.0 | 299.8 | 349.7 | 387.1 | 392.9 |
| 137.5° | 195.6 | 203.9 | 212.2 | 214.2 | 234.4 | 261.2 | 274.6 | 295.6 | 337.8 | 369.4 | 374.2 |
| 140° | 202.8 | 210.4 | 218.1 | 220.0 | 237.7 | 261.4 | 273.2 | 291.5 | 328.0 | 355.3 | 359.6 |
| 142.5° | 208.3 | 215.4 | 222.4 | 224.2 | 240.6 | 262.3 | 273.2 | 289.3 | 321.2 | 345.2 | 349.0 |
| 145° | 216.8 | 222.9 | 229.1 | 230.6 | 244.2 | 262.4 | 271.5 | 284.5 | 310.7 | 330.3 | 333.1 |
| 147.5° | 225.4 | 231.3 | 237.3 | 238.8 | 249.7 | 264.2 | 271.5 | 281.8 | 302.3 | 317.7 | 320.2 |
| 150° | 230.8 | 236.2 | 241.6 | 243.0 | 252.5 | 265.1 | 271.5 | 280.1 | 297.5 | 310.6 | 312.6 |
| 152.5° | 236.5 | 240.7 | 244.8 | 245.8 | 254.4 | 265.7 | 271.5 | 278.9 | 293.8 | 304.9 | 306.3 |
| 155° | 245.0 | 248.1 | 251.1 | 251.9 | 258.4 | 267.1 | 271.5 | 277.4 | 289.2 | 298.0 | 299.0 |
| 157.5° | 251.3 | 254.3 | 257.2 | 257.9 | 262.4 | 268.4 | 271.5 | 276.0 | 285.2 | 292.1 | 292.9 |
| 160° | 255.6 | 257.8 | 260.2 | 260.7 | 264.3 | 269.0 | 271.5 | 275.4 | 283.3 | 289.2 | 289.5 |
| 162.5° | 259.8 | 261.5 | 263.2 | 263.7 | 266.3 | 269.8 | 271.5 | 274.8 | 281.4 | 286.4 | 286.8 |
| 165° | 264.5 | 266.0 | 267.6 | 268.0 | 269.1 | 270.7 | 271.5 | 273.8 | 278.5 | 282.1 | 282.5 |
| 167.5° | 268.7 | 269.4 | 270.1 | 270.3 | 271.3 | 272.6 | 273.2 | 274.9 | 278.0 | 280.3 | 280.5 |
| 170° | 271.5 | 272.2 | 272.9 | 273.1 | 273.2 | 273.2 | 273.2 | 274.9 | 278.0 | 280.3 | 280.3 |
| 172.5° | 272.9 | 273.1 | 273.2 | 273.2 | 273.2 | 273.2 | 273.2 | 274.5 | 276.9 | 278.8 | 278.6 |
| 175° | 275.0 | 275.0 | 275.0 | 275.0 | 274.4 | 273.6 | 273.2 | 274.1 | 275.7 | 276.8 | 276.8 |
| 177.5° | 275.0 | 275.0 | 275.0 | 275.0 | 274.5 | 274.0 | 273.7 | 274.3 | 275.6 | 276.5 | 276.3 |
| 180° | 275.0 | 275.0 | 275.0 | 275.0 | 275.0 | 275.0 | 275.0 | 275.0 | 275.0 | 275.0 | 275.0 |



TEST NUMBER: P936658

CATALOG NUMBER: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 0° | 186.8 | 186.8 |
| 2.5° | 199.4 | 198.2 |
| 5° | 256.5 | 257.7 |
| 7.5° | 345.3 | 344.8 |
| 10° | 429.5 | 434.9 |
| 12.5° | 490.7 | 491.9 |
| 15° | 528.0 | 530.4 |
| 17.5° | 542.4 | 543.0 |
| 20° | 543.0 | 541.8 |
| 22.5° | 536.4 | 535.1 |
| 25° | 528.6 | 528.0 |
| 27.5° | 521.3 | 522.0 |
| 30° | 518.3 | 520.2 |
| 32.5° | 518.3 | 521.3 |
| 35° | 519.5 | 522.5 |
| 37.5° | 518.9 | 522.5 |
| 40° | 516.5 | 520.7 |
| 42.5° | 510.0 | 512.9 |
| 45° | 499.7 | 503.3 |
| 47.5° | 486.5 | 488.9 |
| 50° | 469.7 | 472.1 |
| 52.5° | 448.6 | 449.3 |
| 55° | 423.5 | 425.8 |
| 57.5° | 396.4 | 397.0 |
| 60° | 366.4 | 368.2 |
| 62.5° | 334.6 | 334.6 |
| 65° | 300.9 | 302.1 |
| 67.5° | 266.1 | 269.0 |
| 70° | 230.6 | 231.3 |
| 72.5° | 195.8 | 195.8 |
| 75° | 159.7 | 160.4 |
| 77.5° | 125.5 | 125.5 |
| 80° | 93.1 | 93.7 |
| 82.5° | 64.3 | 65.4 |
| 85° | 40.2 | 40.2 |
| 87.5° | 18.6 | 16.8 |
| 90° | 7.0 | 7.0 |
| 92.5° | 28.1 | 22.5 |
| 95° | 97.9 | 81.0 |
| 97.5° | 234.6 | 202.4 |
| 100° | 338.0 | 299.7 |
| 102.5° | 439.7 | 406.9 |
| 105° | 569.4 | 551.8 |
| 107.5° | 654.3 | 658.6 |
| 110° | 686.7 | 705.1 |



TEST NUMBER: P936658

CATALOG NUMBER: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 689.7 | 717.9 |
| 115° | 671.3 | 710.4 |
| 117.5° | 632.5 | 676.0 |
| 120° | 601.3 | 643.5 |
| 122.5° | 570.9 | 612.5 |
| 125° | 527.4 | 565.7 |
| 127.5° | 488.4 | 520.7 |
| 130° | 465.5 | 495.3 |
| 132.5° | 444.5 | 471.3 |
| 135° | 416.0 | 439.0 |
| 137.5° | 393.0 | 411.8 |
| 140° | 377.3 | 394.9 |
| 142.5° | 364.2 | 379.4 |
| 145° | 344.7 | 356.2 |
| 147.5° | 329.7 | 339.1 |
| 150° | 320.3 | 328.0 |
| 152.5° | 312.1 | 317.9 |
| 155° | 302.9 | 306.7 |
| 157.5° | 295.5 | 298.2 |
| 160° | 291.2 | 292.7 |
| 162.5° | 288.3 | 289.7 |
| 165° | 284.1 | 285.7 |
| 167.5° | 281.1 | 281.8 |
| 170° | 280.3 | 280.3 |
| 172.5° | 278.1 | 277.5 |
| 175° | 276.8 | 276.8 |
| 177.5° | 275.7 | 275.0 |
| 180° | 275.0 | 275.0 |



TEST NUMBER: P936658

CATALOG NUMBER: SQ4-FB-050U-050D-93050-1D-UNV-STD-W-4-3500K

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 | 2.40 | 3.25 | 3.39 | 4.26 | 5.60 | 15.55 | 16.39 | 16.54 | 17.40 | 18.75 |
| | 3H | 3.11 | 3.87 | 4.11 | 4.89 | 6.25 | 17.37 | 18.13 | 18.37 | 19.15 | 20.51 |
| | 4H | 3.41 | 4.13 | 4.42 | 5.15 | 6.52 | 18.00 | 18.73 | 19.02 | 19.75 | 21.12 |
| | 6H | 3.66 | 4.32 | 4.68 | 5.35 | 6.73 | 18.42 | 19.09 | 19.45 | 20.11 | 21.50 |
| | 8H | 3.72 | 4.36 | 4.76 | 5.40 | 6.78 | 18.53 | 19.17 | 19.57 | 20.21 | 21.59 |
| | 12H | 3.74 | 4.35 | 4.78 | 5.38 | 6.79 | 18.60 | 19.20 | 19.63 | 20.24 | 21.64 |
| 4H | 2H | 9.59 | 10.32 | 10.62 | 11.34 | 12.71 | 15.82 | 16.54 | 16.84 | 17.57 | 18.93 |
| | 3H | 11.16 | 11.77 | 12.20 | 12.82 | 14.20 | 17.85 | 18.46 | 18.88 | 19.51 | 20.89 |
| | 4H | 11.26 | 11.81 | 12.30 | 12.86 | 14.26 | 18.61 | 19.16 | 19.64 | 20.20 | 21.61 |
| | 6H | 11.27 | 11.75 | 12.32 | 12.81 | 14.21 | 19.13 | 19.61 | 20.18 | 20.68 | 22.08 |
| | 8H | 11.25 | 11.69 | 12.30 | 12.75 | 14.17 | 19.29 | 19.73 | 20.34 | 20.79 | 22.21 |
| | 12H | 11.20 | 11.61 | 12.27 | 12.68 | 14.10 | 19.37 | 19.78 | 20.44 | 20.85 | 22.27 |
| 8H | 4H | 12.69 | 13.14 | 13.74 | 14.20 | 15.61 | 18.67 | 19.11 | 19.72 | 20.17 | 21.59 |
| | 6H | 12.93 | 13.30 | 14.01 | 14.40 | 15.82 | 19.28 | 19.65 | 20.36 | 20.75 | 22.17 |
| | 8H | 12.95 | 13.28 | 14.03 | 14.36 | 15.79 | 19.49 | 19.82 | 20.58 | 20.90 | 22.34 |
| | 12H | 12.92 | 13.21 | 14.01 | 14.29 | 15.76 | 19.63 | 19.92 | 20.72 | 21.00 | 22.47 |
| 12H | 4H | 12.83 | 13.24 | 13.90 | 14.31 | 15.73 | 18.62 | 19.02 | 19.69 | 20.10 | 21.52 |
| | 6H | 13.19 | 13.52 | 14.27 | 14.60 | 16.03 | 19.26 | 19.59 | 20.35 | 20.67 | 22.11 |
| | 8H | 13.26 | 13.54 | 14.34 | 14.62 | 16.10 | 19.49 | 19.77 | 20.57 | 20.85 | 22.33 |