

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: P936850

Luminaire Tested: SQ4-FB-050U-100D-930-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936850
REPORT IS A COMBINATION OF REPORTS P933471 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-100D-930-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

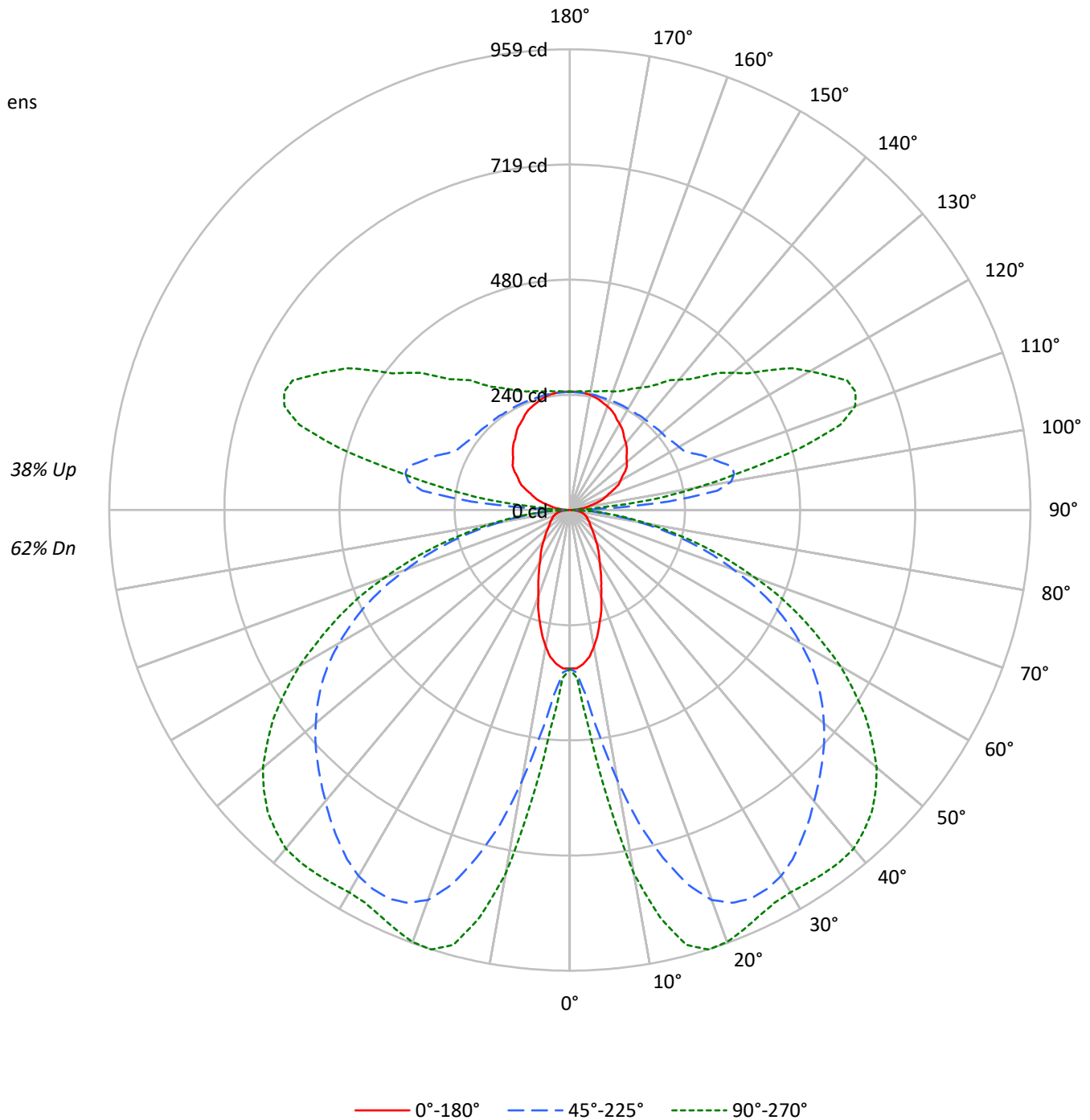
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4152.3 lumens
Efficiency: N/A
Efficacy: 91.9 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): 45.2
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: P936850
CATALOG NUMBER: SQ4-FB-050U-100D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P936850

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 67 | 67 | 67 | 62 |
| 1 | 100 | 95 | 91 | 87 | 93 | 89 | 85 | 82 | 78 | 75 | 72 | 67 | 65 | 63 | 58 | 56 | 55 | 50 |
| 2 | 90 | 82 | 75 | 70 | 84 | 77 | 71 | 66 | 67 | 63 | 59 | 58 | 55 | 52 | 50 | 48 | 45 | 41 |
| 3 | 82 | 72 | 64 | 57 | 76 | 67 | 60 | 54 | 59 | 53 | 49 | 51 | 47 | 43 | 44 | 40 | 38 | 34 |
| 4 | 74 | 63 | 54 | 48 | 69 | 59 | 51 | 45 | 52 | 46 | 41 | 45 | 40 | 36 | 39 | 35 | 32 | 28 |
| 5 | 68 | 56 | 47 | 41 | 63 | 52 | 44 | 39 | 46 | 40 | 35 | 40 | 35 | 31 | 34 | 30 | 27 | 24 |
| 6 | 63 | 50 | 41 | 35 | 58 | 47 | 39 | 33 | 41 | 35 | 30 | 36 | 31 | 27 | 31 | 27 | 23 | 21 |
| 7 | 58 | 45 | 36 | 30 | 54 | 42 | 34 | 29 | 37 | 31 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 18 |
| 8 | 53 | 40 | 32 | 26 | 50 | 38 | 30 | 25 | 34 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 16 |
| 9 | 50 | 37 | 29 | 23 | 46 | 35 | 27 | 22 | 31 | 24 | 20 | 27 | 22 | 18 | 23 | 19 | 16 | 14 |
| 10 | 46 | 33 | 26 | 21 | 43 | 32 | 25 | 20 | 28 | 22 | 18 | 25 | 20 | 16 | 21 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3062 | 3062 | 3062 |
| 5° | 2988 | 3536 | 4116 |
| 10° | 2707 | 5151 | 6823 |
| 15° | 2298 | 6725 | 8239 |
| 20° | 1869 | 7788 | 8396 |
| 25° | 1558 | 8143 | 8227 |
| 30° | 1311 | 8188 | 8211 |
| 35° | 1158 | 8046 | 8423 |
| 40° | 1007 | 7862 | 8642 |
| 45° | 910 | 7726 | 8677 |
| 50° | 833 | 7602 | 8533 |
| 55° | 795 | 7424 | 8155 |
| 60° | 811 | 7089 | 7557 |
| 65° | 840 | 6582 | 6737 |
| 70° | 889 | 5729 | 5691 |
| 75° | 974 | 4659 | 4441 |
| 80° | 1039 | 3219 | 2992 |
| 85° | 878 | 1700 | 1532 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8677 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.7 | 1.0 |
| 10°-20° | 189.2 | 4.6 |
| 20°-30° | 330.9 | 8.0 |
| 30°-40° | 426.0 | 10.3 |
| 40°-50° | 475.8 | 11.5 |
| 50°-60° | 455.7 | 11.0 |
| 60°-70° | 361.2 | 8.7 |
| 70°-80° | 212.4 | 5.1 |
| 80°-90° | 59.9 | 1.4 |
| 90°-100° | 120.2 | 2.9 |
| 100°-110° | 316.0 | 7.6 |
| 110°-120° | 327.7 | 7.9 |
| 120°-130° | 262.9 | 6.3 |
| 130°-140° | 206.2 | 5.0 |
| 140°-150° | 158.3 | 3.8 |
| 150°-160° | 114.0 | 2.7 |
| 160°-170° | 69.8 | 1.7 |
| 170°-180° | 23.6 | 0.6 |
| 0°-30° | 562.8 | 13.6 |
| 0°-40° | 988.7 | 23.8 |
| 0°-60° | 1920.2 | 46.2 |
| 0°-90° | 2553.7 | 61.5 |
| 90°-120° | 763.9 | 18.4 |
| 90°-150° | 1391.3 | 33.5 |
| 90°-180° | 1599.0 | 38.5 |
| 0°-180° | 4152.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 330 | 330 | 330 | 330 | 330 | |
| 5° | 322 | 345 | 388 | 439 | 455 | 30 |
| 15° | 241 | 444 | 749 | 908 | 937 | 67 |
| 25° | 154 | 504 | 892 | 932 | 933 | 71 |
| 35° | 104 | 482 | 840 | 888 | 923 | 65 |
| 45° | 71 | 384 | 743 | 851 | 889 | 55 |
| 55° | 51 | 244 | 630 | 732 | 752 | 46 |
| 65° | 40 | 129 | 468 | 526 | 534 | 40 |
| 75° | 30 | 80 | 257 | 282 | 283 | 31 |
| 85° | 11 | 24 | 64 | 70 | 71 | 11 |
| 90° | 2 | 5 | 13 | 6 | 6 | 2 |
| 95° | 16 | 62 | 207 | 107 | 73 | 18 |
| 105° | 57 | 86 | 349 | 530 | 495 | 60 |
| 115° | 101 | 123 | 280 | 558 | 637 | 100 |
| 125° | 141 | 158 | 255 | 430 | 507 | 125 |
| 135° | 168 | 184 | 247 | 347 | 394 | 130 |
| 145° | 194 | 207 | 244 | 296 | 319 | 122 |
| 155° | 220 | 226 | 244 | 267 | 275 | 101 |
| 165° | 237 | 240 | 244 | 253 | 256 | 67 |
| 175° | 247 | 247 | 245 | 248 | 248 | 23 |
| 180° | 247 | 247 | 247 | 247 | 247 | |



TEST NUMBER: P936850

CATALOG NUMBER: SQ4-FB-050U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 330.0 | 330.0 | 330.0 | 330.0 | 330.0 | 330.0 | 330.0 | 330.0 | 330.0 | 330.0 | 330.0 |
| 2.5° | 330.0 | 330.0 | 332.1 | 333.2 | 335.3 | 336.4 | 338.5 | 340.6 | 347.0 | 348.0 | 350.1 |
| 5° | 321.5 | 325.8 | 339.5 | 344.8 | 359.7 | 379.8 | 388.3 | 402.1 | 430.8 | 439.2 | 444.5 |
| 7.5° | 308.8 | 318.3 | 352.3 | 360.8 | 397.9 | 451.0 | 473.2 | 502.9 | 548.5 | 570.9 | 588.8 |
| 10° | 288.6 | 308.8 | 369.2 | 389.4 | 449.8 | 530.5 | 571.9 | 613.3 | 682.2 | 713.0 | 724.7 |
| 12.5° | 266.4 | 299.2 | 387.3 | 414.8 | 501.9 | 619.7 | 669.5 | 715.2 | 793.7 | 835.0 | 841.4 |
| 15° | 240.8 | 285.4 | 404.2 | 444.5 | 557.0 | 694.0 | 749.1 | 805.3 | 878.6 | 908.3 | 915.7 |
| 17.5° | 218.6 | 274.8 | 420.1 | 462.6 | 599.5 | 760.8 | 817.0 | 863.7 | 923.1 | 943.3 | 948.6 |
| 20° | 191.0 | 257.8 | 430.8 | 486.0 | 644.1 | 809.6 | 863.7 | 899.8 | 940.1 | 952.8 | 954.9 |
| 22.5° | 170.8 | 239.8 | 437.2 | 494.4 | 673.7 | 839.3 | 884.9 | 913.6 | 941.1 | 945.4 | 946.4 |
| 25° | 153.9 | 219.6 | 436.1 | 504.0 | 699.3 | 857.3 | 892.3 | 913.6 | 929.5 | 931.6 | 931.6 |
| 27.5° | 138.0 | 197.4 | 431.9 | 506.1 | 718.3 | 861.5 | 889.2 | 904.0 | 911.4 | 915.7 | 915.7 |
| 30° | 124.1 | 176.1 | 421.3 | 501.9 | 726.8 | 857.3 | 879.6 | 887.0 | 894.5 | 900.8 | 904.0 |
| 32.5° | 113.5 | 155.9 | 405.4 | 493.4 | 727.8 | 846.7 | 862.6 | 866.8 | 877.4 | 892.3 | 897.7 |
| 35° | 104.0 | 135.8 | 387.3 | 481.7 | 721.5 | 829.7 | 840.3 | 844.6 | 865.8 | 888.1 | 895.5 |
| 37.5° | 94.4 | 120.9 | 363.9 | 461.6 | 711.9 | 809.6 | 817.0 | 824.4 | 857.3 | 883.9 | 892.3 |
| 40° | 84.9 | 108.2 | 336.4 | 439.2 | 697.1 | 785.2 | 791.5 | 803.2 | 846.7 | 877.4 | 885.9 |
| 42.5° | 77.5 | 97.6 | 306.7 | 416.0 | 678.0 | 757.6 | 767.1 | 784.1 | 834.0 | 866.8 | 876.4 |
| 45° | 71.1 | 87.0 | 274.8 | 384.1 | 653.6 | 729.0 | 742.7 | 766.1 | 819.1 | 850.9 | 859.5 |
| 47.5° | 64.7 | 79.6 | 241.9 | 351.2 | 627.1 | 700.3 | 718.3 | 744.9 | 799.0 | 829.7 | 837.1 |
| 50° | 59.4 | 72.2 | 209.0 | 316.2 | 598.4 | 669.5 | 690.7 | 718.3 | 773.5 | 802.1 | 811.7 |
| 52.5° | 55.2 | 65.8 | 178.3 | 281.2 | 565.6 | 637.7 | 662.1 | 690.7 | 742.7 | 770.3 | 776.7 |
| 55° | 50.9 | 60.5 | 151.8 | 244.0 | 531.6 | 603.7 | 630.3 | 657.8 | 708.8 | 732.1 | 736.4 |
| 57.5° | 48.8 | 56.2 | 129.4 | 209.0 | 495.5 | 565.6 | 595.3 | 620.7 | 668.4 | 686.5 | 690.7 |
| 60° | 45.6 | 53.1 | 112.5 | 179.3 | 456.3 | 529.4 | 555.0 | 580.4 | 620.7 | 635.6 | 638.7 |
| 62.5° | 42.5 | 50.9 | 99.7 | 150.6 | 416.0 | 487.0 | 512.5 | 535.8 | 569.8 | 580.4 | 584.7 |
| 65° | 40.3 | 48.8 | 90.2 | 129.4 | 374.5 | 442.5 | 467.9 | 488.1 | 515.7 | 526.3 | 528.4 |
| 67.5° | 38.2 | 46.7 | 82.8 | 111.4 | 333.2 | 397.9 | 417.0 | 436.1 | 457.3 | 467.9 | 469.0 |
| 70° | 35.0 | 44.6 | 76.4 | 98.7 | 290.7 | 347.0 | 362.9 | 383.0 | 400.0 | 405.4 | 408.5 |
| 72.5° | 32.9 | 41.4 | 72.2 | 89.1 | 247.2 | 298.2 | 313.0 | 324.7 | 339.5 | 344.8 | 344.8 |
| 75° | 29.7 | 37.1 | 67.9 | 79.6 | 202.7 | 244.0 | 256.8 | 268.4 | 280.1 | 282.3 | 279.0 |
| 77.5° | 26.5 | 32.9 | 58.4 | 66.8 | 158.1 | 193.1 | 203.7 | 210.1 | 219.6 | 221.8 | 222.8 |
| 80° | 22.2 | 28.7 | 45.6 | 52.0 | 114.6 | 142.2 | 149.6 | 154.9 | 163.4 | 163.4 | 165.5 |
| 82.5° | 16.9 | 22.2 | 32.9 | 37.1 | 77.5 | 97.6 | 104.0 | 107.2 | 112.5 | 112.5 | 112.5 |
| 85° | 10.6 | 13.8 | 21.2 | 24.4 | 46.7 | 59.4 | 63.7 | 64.7 | 69.0 | 70.0 | 70.0 |
| 87.5° | 5.3 | 7.4 | 13.8 | 14.9 | 24.4 | 30.8 | 30.8 | 32.9 | 32.9 | 31.8 | 30.8 |
| 90° | 1.7 | 3.0 | 4.3 | 4.7 | 7.3 | 10.8 | 12.6 | 11.2 | 8.4 | 6.3 | 6.3 |
| 92.5° | 6.6 | 17.8 | 29.1 | 32.0 | 44.9 | 62.2 | 70.8 | 62.1 | 44.6 | 31.5 | 30.2 |
| 95° | 15.9 | 36.5 | 57.1 | 62.2 | 110.5 | 174.8 | 207.0 | 184.7 | 140.1 | 106.7 | 102.9 |
| 97.5° | 27.5 | 45.6 | 63.8 | 68.3 | 148.8 | 256.2 | 309.8 | 295.7 | 267.6 | 246.4 | 239.2 |
| 100° | 36.4 | 52.8 | 69.4 | 73.5 | 162.8 | 281.9 | 341.4 | 342.5 | 344.6 | 346.1 | 337.5 |
| 102.5° | 44.0 | 59.4 | 74.8 | 78.6 | 169.2 | 290.0 | 350.3 | 368.3 | 404.2 | 431.1 | 423.7 |
| 105° | 56.9 | 69.9 | 82.9 | 86.2 | 173.9 | 290.9 | 349.4 | 389.6 | 470.1 | 530.5 | 526.5 |
| 107.5° | 70.2 | 82.3 | 94.4 | 97.5 | 174.8 | 278.0 | 329.6 | 385.7 | 497.9 | 582.1 | 583.1 |
| 110° | 79.1 | 90.0 | 101.0 | 103.7 | 173.5 | 266.5 | 313.0 | 375.7 | 501.2 | 595.3 | 599.4 |



TEST NUMBER: P936850

CATALOG NUMBER: SQ4-FB-050U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 87.8 | 98.3 | 108.7 | 111.4 | 173.5 | 256.5 | 297.9 | 362.2 | 490.6 | 586.9 | 593.3 |
| 115° | 101.1 | 110.7 | 120.4 | 122.8 | 175.1 | 244.9 | 279.8 | 341.7 | 465.4 | 558.2 | 567.0 |
| 117.5° | 114.2 | 122.9 | 131.7 | 133.9 | 178.4 | 237.8 | 267.5 | 323.3 | 434.9 | 518.7 | 528.4 |
| 120° | 121.8 | 130.1 | 138.3 | 140.4 | 181.1 | 235.4 | 262.5 | 313.5 | 415.6 | 492.1 | 501.6 |
| 122.5° | 129.3 | 137.6 | 145.9 | 148.0 | 184.9 | 234.1 | 258.6 | 304.6 | 396.5 | 465.4 | 474.7 |
| 125° | 140.7 | 148.2 | 155.8 | 157.7 | 190.0 | 233.0 | 254.6 | 293.6 | 371.6 | 430.2 | 438.8 |
| 127.5° | 149.9 | 157.6 | 165.3 | 167.2 | 195.1 | 232.5 | 251.1 | 284.6 | 351.6 | 401.8 | 409.0 |
| 130° | 154.9 | 163.2 | 171.4 | 173.4 | 198.9 | 232.8 | 249.7 | 279.6 | 339.3 | 384.0 | 390.7 |
| 132.5° | 160.0 | 168.3 | 176.5 | 178.6 | 202.0 | 233.0 | 248.6 | 275.3 | 328.7 | 368.7 | 374.8 |
| 135° | 167.7 | 175.1 | 182.7 | 184.5 | 205.2 | 232.8 | 246.6 | 268.9 | 313.7 | 347.2 | 352.4 |
| 137.5° | 175.5 | 182.8 | 190.3 | 192.2 | 210.2 | 234.2 | 246.3 | 265.2 | 303.0 | 331.3 | 335.6 |
| 140° | 181.9 | 188.7 | 195.6 | 197.3 | 213.2 | 234.5 | 245.1 | 261.5 | 294.1 | 318.6 | 322.6 |
| 142.5° | 186.9 | 193.2 | 199.5 | 201.1 | 215.8 | 235.3 | 245.1 | 259.4 | 288.1 | 309.6 | 313.0 |
| 145° | 194.5 | 199.9 | 205.5 | 206.9 | 219.1 | 235.4 | 243.5 | 255.2 | 278.6 | 296.2 | 298.8 |
| 147.5° | 202.1 | 207.5 | 212.8 | 214.2 | 224.0 | 237.0 | 243.5 | 252.7 | 271.2 | 285.0 | 287.2 |
| 150° | 207.0 | 211.8 | 216.7 | 217.9 | 226.4 | 237.8 | 243.5 | 251.3 | 266.8 | 278.6 | 280.3 |
| 152.5° | 212.2 | 215.8 | 219.5 | 220.4 | 228.1 | 238.3 | 243.5 | 250.1 | 263.5 | 273.4 | 274.7 |
| 155° | 219.8 | 222.5 | 225.2 | 225.9 | 231.7 | 239.5 | 243.5 | 248.8 | 259.4 | 267.3 | 268.2 |
| 157.5° | 225.4 | 228.1 | 230.7 | 231.3 | 235.4 | 240.7 | 243.5 | 247.6 | 255.8 | 262.0 | 262.7 |
| 160° | 229.3 | 231.3 | 233.4 | 233.8 | 237.0 | 241.3 | 243.5 | 247.0 | 254.1 | 259.4 | 259.7 |
| 162.5° | 233.0 | 234.6 | 236.1 | 236.5 | 238.8 | 241.9 | 243.5 | 246.4 | 252.4 | 256.9 | 257.2 |
| 165° | 237.2 | 238.6 | 240.0 | 240.3 | 241.4 | 242.7 | 243.5 | 245.6 | 249.8 | 253.0 | 253.3 |
| 167.5° | 241.0 | 241.6 | 242.3 | 242.4 | 243.3 | 244.5 | 245.1 | 246.5 | 249.3 | 251.4 | 251.6 |
| 170° | 243.5 | 244.1 | 244.8 | 244.9 | 245.0 | 245.1 | 245.1 | 246.5 | 249.3 | 251.4 | 251.4 |
| 172.5° | 244.8 | 244.9 | 245.1 | 245.1 | 245.1 | 245.1 | 245.1 | 246.2 | 248.4 | 250.1 | 249.9 |
| 175° | 246.6 | 246.6 | 246.6 | 246.6 | 246.1 | 245.4 | 245.1 | 245.8 | 247.2 | 248.3 | 248.3 |
| 177.5° | 246.6 | 246.6 | 246.6 | 246.6 | 246.2 | 245.7 | 245.5 | 246.0 | 247.2 | 248.0 | 247.8 |
| 180° | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 | 246.6 |



TEST NUMBER: P936850

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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 0° | 330.0 | 330.0 |
| 2.5° | 352.3 | 350.1 |
| 5° | 453.1 | 455.2 |
| 7.5° | 610.1 | 609.0 |
| 10° | 758.7 | 768.1 |
| 12.5° | 866.8 | 869.0 |
| 15° | 932.7 | 936.9 |
| 17.5° | 958.1 | 959.2 |
| 20° | 959.2 | 957.0 |
| 22.5° | 947.5 | 945.4 |
| 25° | 933.7 | 932.7 |
| 27.5° | 921.0 | 922.0 |
| 30° | 915.7 | 918.9 |
| 32.5° | 915.7 | 921.0 |
| 35° | 917.8 | 923.1 |
| 37.5° | 916.7 | 923.1 |
| 40° | 912.5 | 919.9 |
| 42.5° | 900.8 | 906.1 |
| 45° | 882.8 | 889.2 |
| 47.5° | 859.5 | 863.7 |
| 50° | 829.7 | 834.0 |
| 52.5° | 792.6 | 793.7 |
| 55° | 748.0 | 752.3 |
| 57.5° | 700.3 | 701.3 |
| 60° | 647.2 | 650.4 |
| 62.5° | 591.0 | 591.0 |
| 65° | 531.6 | 533.7 |
| 67.5° | 470.1 | 475.4 |
| 70° | 407.4 | 408.5 |
| 72.5° | 345.9 | 345.9 |
| 75° | 282.3 | 283.3 |
| 77.5° | 221.8 | 221.8 |
| 80° | 164.5 | 165.5 |
| 82.5° | 113.5 | 115.6 |
| 85° | 71.1 | 71.1 |
| 87.5° | 32.9 | 29.7 |
| 90° | 6.3 | 6.3 |
| 92.5° | 25.2 | 20.2 |
| 95° | 87.8 | 72.7 |
| 97.5° | 210.4 | 181.6 |
| 100° | 303.1 | 268.8 |
| 102.5° | 394.4 | 365.0 |
| 105° | 510.7 | 494.9 |
| 107.5° | 586.8 | 590.7 |
| 110° | 615.9 | 632.4 |



TEST NUMBER: P936850

CATALOG NUMBER: SQ4-FB-050U-100D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 618.6 | 643.8 |
| 115° | 602.1 | 637.2 |
| 117.5° | 567.3 | 606.3 |
| 120° | 539.3 | 577.1 |
| 122.5° | 512.1 | 549.3 |
| 125° | 473.0 | 507.4 |
| 127.5° | 438.0 | 467.0 |
| 130° | 417.5 | 444.2 |
| 132.5° | 398.7 | 422.7 |
| 135° | 373.1 | 393.7 |
| 137.5° | 352.4 | 369.4 |
| 140° | 338.4 | 354.2 |
| 142.5° | 326.7 | 340.3 |
| 145° | 309.2 | 319.4 |
| 147.5° | 295.7 | 304.2 |
| 150° | 287.2 | 294.1 |
| 152.5° | 279.9 | 285.1 |
| 155° | 271.7 | 275.1 |
| 157.5° | 265.1 | 267.5 |
| 160° | 261.1 | 262.5 |
| 162.5° | 258.6 | 259.9 |
| 165° | 254.8 | 256.2 |
| 167.5° | 252.1 | 252.7 |
| 170° | 251.4 | 251.4 |
| 172.5° | 249.4 | 248.9 |
| 175° | 248.3 | 248.3 |
| 177.5° | 247.2 | 246.6 |
| 180° | 246.6 | 246.6 |



TEST NUMBER: P936850
 CATALOG NUMBER: SQ4-FB-050U-100D-930-1D-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 | 5.86 | 6.89 | 6.70 | 7.76 | 8.85 | 19.00 | 20.03 | 19.84 | 20.90 | 21.99 |
| | 3H | 6.58 | 7.50 | 7.43 | 8.38 | 9.50 | 20.84 | 21.76 | 21.69 | 22.64 | 23.76 |
| | 4H | 6.89 | 7.76 | 7.76 | 8.65 | 9.78 | 21.48 | 22.35 | 22.35 | 23.24 | 24.37 |
| | 6H | 7.15 | 7.95 | 8.03 | 8.85 | 9.99 | 21.91 | 22.71 | 22.79 | 23.61 | 24.75 |
| | 8H | 7.22 | 7.99 | 8.11 | 8.90 | 10.04 | 22.03 | 22.80 | 22.92 | 23.71 | 24.85 |
| | 12H | 7.24 | 7.97 | 8.14 | 8.88 | 10.05 | 22.09 | 22.83 | 22.99 | 23.73 | 24.90 |
| 4H | 2H | 13.07 | 13.95 | 13.95 | 14.83 | 15.96 | 19.30 | 20.17 | 20.17 | 21.06 | 22.19 |
| | 3H | 14.66 | 15.39 | 15.55 | 16.31 | 17.45 | 21.34 | 22.08 | 22.23 | 22.99 | 24.14 |
| | 4H | 14.76 | 15.43 | 15.66 | 16.34 | 17.52 | 22.11 | 22.78 | 23.01 | 23.69 | 24.86 |
| | 6H | 14.78 | 15.36 | 15.70 | 16.30 | 17.47 | 22.64 | 23.22 | 23.56 | 24.16 | 25.33 |
| | 8H | 14.76 | 15.30 | 15.68 | 16.24 | 17.43 | 22.80 | 23.34 | 23.72 | 24.28 | 25.47 |
| | 12H | 14.73 | 15.22 | 15.67 | 16.17 | 17.36 | 22.90 | 23.39 | 23.83 | 24.34 | 25.53 |
| 8H | 4H | 16.21 | 16.75 | 17.13 | 17.68 | 18.87 | 22.18 | 22.72 | 23.10 | 23.66 | 24.84 |
| | 6H | 16.46 | 16.91 | 17.40 | 17.88 | 19.07 | 22.81 | 23.26 | 23.75 | 24.23 | 25.42 |
| | 8H | 16.48 | 16.88 | 17.43 | 17.84 | 19.05 | 23.02 | 23.42 | 23.98 | 24.39 | 25.59 |
| | 12H | 16.46 | 16.81 | 17.41 | 17.77 | 19.02 | 23.16 | 23.52 | 24.12 | 24.48 | 25.73 |
| 12H | 4H | 16.36 | 16.85 | 17.30 | 17.80 | 18.99 | 22.14 | 22.63 | 23.08 | 23.58 | 24.78 |
| | 6H | 16.72 | 17.12 | 17.67 | 18.08 | 19.28 | 22.79 | 23.19 | 23.75 | 24.16 | 25.36 |
| | 8H | 16.79 | 17.15 | 17.75 | 18.10 | 19.36 | 23.02 | 23.37 | 23.98 | 24.33 | 25.58 |