

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: P937499

Luminaire Tested: SQ4-FB-100U-050D-B35-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937499
REPORT IS A COMBINATION OF REPORTS P933573 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-100U-050D-B35-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

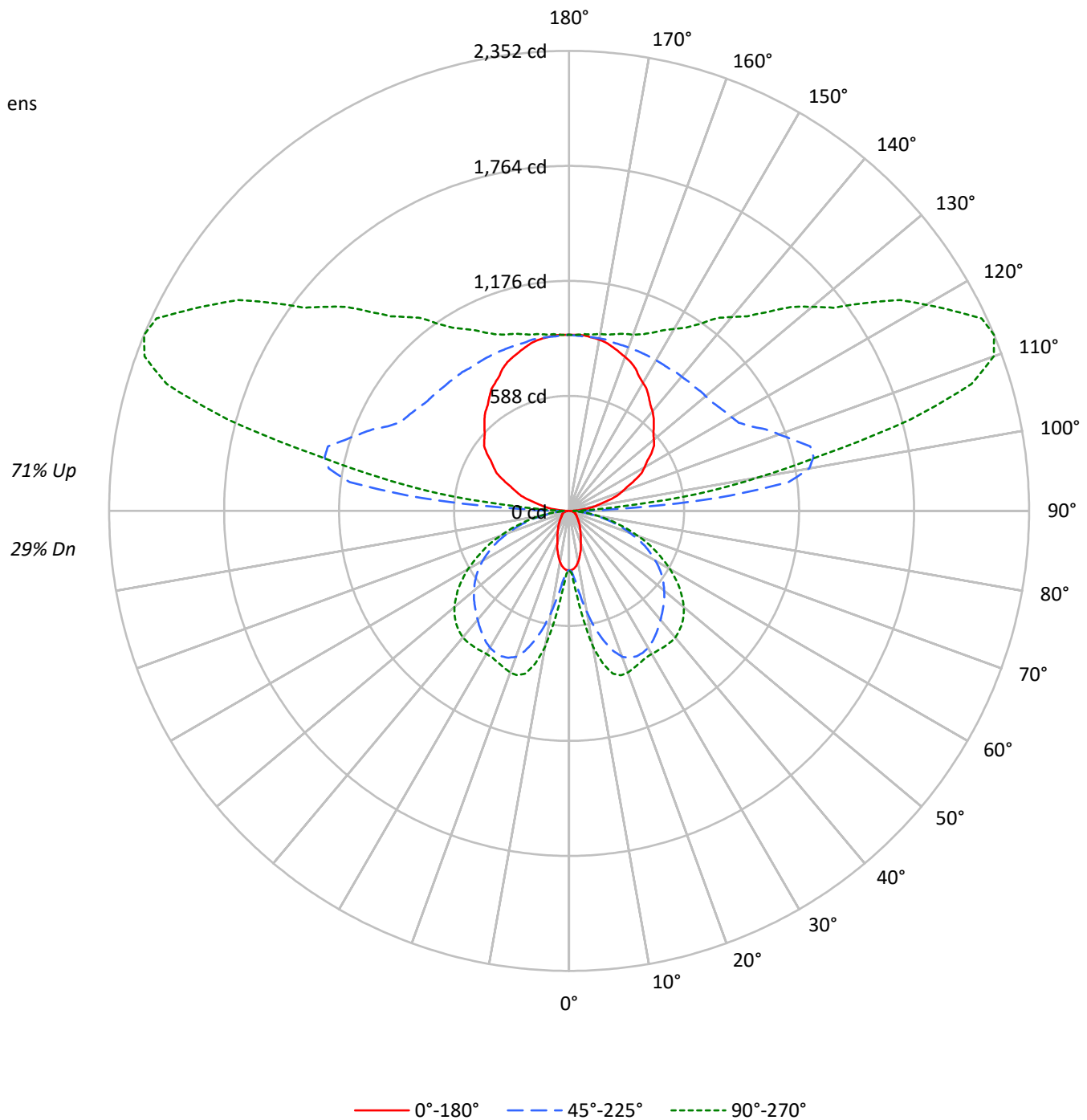
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8188.0 lumens
Efficiency: N/A
Efficacy: 132.5 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-Indirect

Input Watts (W): 61.8
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: P937499
CATALOG NUMBER: SQ4-FB-100U-050D-B35-1D-UNV-STD-W-6

Luminous Intensity Polar Plot





TEST NUMBER: P937499

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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 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 37 | 37 | 37 | 29 |
| 1 | 93 | 88 | 84 | 81 | 83 | 79 | 76 | 73 | 62 | 60 | 58 | 46 | 45 | 44 | 32 | 31 | 30 | 23 |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 59 | 54 | 50 | 47 | 40 | 38 | 36 | 28 | 26 | 25 | 19 |
| 3 | 76 | 67 | 60 | 54 | 68 | 60 | 54 | 49 | 47 | 43 | 39 | 35 | 32 | 30 | 24 | 22 | 21 | 16 |
| 4 | 70 | 59 | 51 | 45 | 62 | 53 | 46 | 41 | 42 | 37 | 33 | 31 | 28 | 25 | 21 | 19 | 18 | 13 |
| 5 | 64 | 52 | 44 | 38 | 57 | 47 | 40 | 35 | 37 | 32 | 28 | 28 | 24 | 21 | 19 | 17 | 15 | 11 |
| 6 | 58 | 47 | 39 | 33 | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 25 | 21 | 18 | 17 | 15 | 13 | 10 |
| 7 | 54 | 42 | 34 | 28 | 48 | 38 | 31 | 26 | 30 | 25 | 21 | 22 | 19 | 16 | 15 | 13 | 11 | 8 |
| 8 | 50 | 38 | 30 | 25 | 44 | 34 | 27 | 23 | 27 | 22 | 18 | 20 | 17 | 14 | 14 | 12 | 10 | 7 |
| 9 | 46 | 34 | 27 | 22 | 41 | 31 | 24 | 20 | 24 | 20 | 16 | 18 | 15 | 12 | 13 | 11 | 9 | 7 |
| 10 | 43 | 31 | 24 | 19 | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 17 | 14 | 11 | 12 | 10 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1875 | 1875 | 1875 |
| 5° | 1832 | 2167 | 2520 |
| 10° | 1660 | 3158 | 4178 |
| 15° | 1410 | 4124 | 5046 |
| 20° | 1148 | 4779 | 5143 |
| 25° | 958 | 4999 | 5038 |
| 30° | 807 | 5029 | 5028 |
| 35° | 713 | 4944 | 5158 |
| 40° | 621 | 4835 | 5293 |
| 45° | 562 | 4754 | 5314 |
| 50° | 515 | 4681 | 5225 |
| 55° | 493 | 4575 | 4994 |
| 60° | 505 | 4372 | 4628 |
| 65° | 523 | 4064 | 4125 |
| 70° | 557 | 3541 | 3486 |
| 75° | 614 | 2886 | 2721 |
| 80° | 664 | 1998 | 1832 |
| 85° | 584 | 1059 | 938 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5314 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.2 | 0.5 |
| 10°-20° | 173.8 | 2.1 |
| 20°-30° | 304.0 | 3.7 |
| 30°-40° | 391.3 | 4.8 |
| 40°-50° | 437.1 | 5.3 |
| 50°-60° | 418.6 | 5.1 |
| 60°-70° | 331.7 | 4.1 |
| 70°-80° | 195.1 | 2.4 |
| 80°-90° | 57.6 | 0.7 |
| 90°-100° | 439.1 | 5.4 |
| 100°-110° | 1154.4 | 14.1 |
| 110°-120° | 1197.0 | 14.6 |
| 120°-130° | 960.2 | 11.7 |
| 130°-140° | 753.4 | 9.2 |
| 140°-150° | 578.2 | 7.1 |
| 150°-160° | 416.4 | 5.1 |
| 160°-170° | 254.8 | 3.1 |
| 170°-180° | 86.1 | 1.1 |
| 0°-30° | 517.0 | 6.3 |
| 0°-40° | 908.3 | 11.1 |
| 0°-60° | 1764.0 | 21.5 |
| 0°-90° | 2348.4 | 28.7 |
| 90°-120° | 2790.5 | 34.1 |
| 90°-150° | 5082.3 | 62.1 |
| 90°-180° | 5840.0 | 71.3 |
| 0°-180° | 8188.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 303 | 303 | 303 | 303 | 303 | |
| 5° | 295 | 317 | 357 | 404 | 418 | 27 |
| 15° | 221 | 408 | 688 | 834 | 861 | 62 |
| 25° | 141 | 463 | 820 | 856 | 857 | 65 |
| 35° | 96 | 442 | 772 | 816 | 848 | 60 |
| 45° | 65 | 353 | 682 | 782 | 817 | 51 |
| 55° | 47 | 224 | 579 | 672 | 691 | 43 |
| 65° | 37 | 119 | 430 | 483 | 490 | 37 |
| 75° | 27 | 73 | 236 | 259 | 260 | 29 |
| 85° | 10 | 22 | 58 | 64 | 65 | 10 |
| 90° | 6 | 17 | 46 | 23 | 23 | 6 |
| 95° | 58 | 227 | 756 | 390 | 265 | 64 |
| 105° | 208 | 315 | 1276 | 1938 | 1808 | 220 |
| 115° | 369 | 449 | 1022 | 2039 | 2328 | 365 |
| 125° | 514 | 576 | 930 | 1571 | 1854 | 456 |
| 135° | 612 | 674 | 901 | 1268 | 1438 | 474 |
| 145° | 710 | 756 | 889 | 1082 | 1167 | 445 |
| 155° | 803 | 825 | 889 | 976 | 1005 | 369 |
| 165° | 866 | 878 | 889 | 924 | 936 | 244 |
| 175° | 901 | 901 | 895 | 907 | 907 | 86 |
| 180° | 901 | 901 | 901 | 901 | 901 | |



TEST NUMBER: P937499

CATALOG NUMBER: SQ4-FB-100U-050D-B35-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 |
| 2.5° | 303.1 | 303.1 | 305.0 | 306.0 | 308.0 | 309.0 | 311.0 | 312.9 | 318.7 | 319.7 | 321.6 |
| 5° | 295.4 | 299.2 | 311.9 | 316.8 | 330.4 | 348.9 | 356.7 | 369.4 | 395.7 | 403.5 | 408.4 |
| 7.5° | 283.6 | 292.4 | 323.5 | 331.4 | 365.5 | 414.2 | 434.7 | 462.0 | 503.9 | 524.4 | 541.0 |
| 10° | 265.1 | 283.6 | 339.2 | 357.8 | 413.3 | 487.3 | 525.4 | 563.4 | 626.7 | 654.9 | 665.7 |
| 12.5° | 244.7 | 274.9 | 355.7 | 381.1 | 461.1 | 569.2 | 615.0 | 657.0 | 729.1 | 767.1 | 772.9 |
| 15° | 221.2 | 262.2 | 371.3 | 408.4 | 511.7 | 637.4 | 688.1 | 739.8 | 807.1 | 834.3 | 841.2 |
| 17.5° | 200.8 | 252.4 | 386.0 | 425.0 | 550.7 | 698.8 | 750.5 | 793.4 | 848.0 | 866.5 | 871.3 |
| 20° | 175.5 | 236.8 | 395.7 | 446.4 | 591.7 | 743.7 | 793.4 | 826.6 | 863.6 | 875.3 | 877.2 |
| 22.5° | 156.9 | 220.3 | 401.6 | 454.2 | 618.9 | 770.9 | 812.9 | 839.2 | 864.5 | 868.4 | 869.4 |
| 25° | 141.4 | 201.7 | 400.6 | 463.0 | 642.4 | 787.5 | 819.7 | 839.2 | 853.8 | 855.7 | 855.7 |
| 27.5° | 126.7 | 181.3 | 396.7 | 464.9 | 659.9 | 791.5 | 816.8 | 830.4 | 837.2 | 841.2 | 841.2 |
| 30° | 114.1 | 161.8 | 386.9 | 461.1 | 667.6 | 787.5 | 808.0 | 814.8 | 821.6 | 827.5 | 830.4 |
| 32.5° | 104.3 | 143.3 | 372.3 | 453.2 | 668.6 | 777.8 | 792.4 | 796.3 | 806.0 | 819.7 | 824.6 |
| 35° | 95.5 | 124.8 | 355.7 | 442.5 | 662.8 | 762.2 | 771.9 | 775.9 | 795.4 | 815.8 | 822.6 |
| 37.5° | 86.7 | 111.1 | 334.3 | 424.0 | 654.0 | 743.7 | 750.5 | 757.4 | 787.5 | 811.9 | 819.7 |
| 40° | 78.0 | 99.4 | 309.0 | 403.5 | 640.4 | 721.2 | 727.1 | 737.8 | 777.8 | 806.0 | 813.9 |
| 42.5° | 71.1 | 89.6 | 281.7 | 382.1 | 622.8 | 695.9 | 704.7 | 720.3 | 766.1 | 796.3 | 805.0 |
| 45° | 65.3 | 79.9 | 252.4 | 352.8 | 600.4 | 669.6 | 682.3 | 703.7 | 752.4 | 781.7 | 789.4 |
| 47.5° | 59.5 | 73.1 | 222.2 | 322.6 | 576.1 | 643.3 | 659.9 | 684.2 | 733.9 | 762.2 | 769.0 |
| 50° | 54.6 | 66.3 | 192.1 | 290.4 | 549.7 | 615.0 | 634.5 | 659.9 | 710.6 | 736.8 | 745.6 |
| 52.5° | 50.7 | 60.5 | 163.8 | 258.3 | 519.5 | 585.8 | 608.2 | 634.5 | 682.3 | 707.7 | 713.5 |
| 55° | 46.8 | 55.5 | 139.3 | 224.1 | 488.3 | 554.6 | 579.0 | 604.3 | 651.1 | 672.5 | 676.5 |
| 57.5° | 44.9 | 51.6 | 118.9 | 192.1 | 455.1 | 519.5 | 546.8 | 570.2 | 614.1 | 630.6 | 634.5 |
| 60° | 42.0 | 48.7 | 103.3 | 164.7 | 419.1 | 486.3 | 509.8 | 533.1 | 570.2 | 583.8 | 586.7 |
| 62.5° | 39.0 | 46.8 | 91.7 | 138.4 | 382.1 | 447.4 | 470.7 | 492.3 | 523.4 | 533.1 | 537.0 |
| 65° | 37.0 | 44.9 | 82.8 | 118.9 | 344.1 | 406.4 | 429.8 | 448.4 | 473.6 | 483.4 | 485.4 |
| 67.5° | 35.1 | 42.9 | 76.1 | 102.3 | 306.0 | 365.5 | 383.0 | 400.6 | 420.1 | 429.8 | 430.8 |
| 70° | 32.2 | 40.9 | 70.2 | 90.6 | 267.1 | 318.7 | 333.3 | 351.8 | 367.4 | 372.3 | 375.3 |
| 72.5° | 30.2 | 38.0 | 66.3 | 81.9 | 227.1 | 273.8 | 287.5 | 298.3 | 311.9 | 316.8 | 316.8 |
| 75° | 27.3 | 34.1 | 62.4 | 73.1 | 186.1 | 224.1 | 235.9 | 246.6 | 257.3 | 259.3 | 256.3 |
| 77.5° | 24.3 | 30.2 | 53.6 | 61.4 | 145.3 | 177.4 | 187.1 | 193.0 | 201.7 | 203.7 | 204.7 |
| 80° | 20.4 | 26.4 | 42.0 | 47.8 | 105.2 | 130.6 | 137.4 | 142.3 | 150.1 | 150.1 | 152.0 |
| 82.5° | 15.6 | 20.4 | 30.2 | 34.1 | 71.1 | 89.6 | 95.5 | 98.5 | 103.3 | 103.3 | 103.3 |
| 85° | 9.8 | 12.7 | 19.5 | 22.4 | 42.9 | 54.6 | 58.5 | 59.5 | 63.4 | 64.3 | 64.3 |
| 87.5° | 4.8 | 6.8 | 12.7 | 13.7 | 22.4 | 28.3 | 28.3 | 30.2 | 30.2 | 29.3 | 28.3 |
| 90° | 6.0 | 10.9 | 15.7 | 17.0 | 26.6 | 39.5 | 45.9 | 40.8 | 30.6 | 23.0 | 23.0 |
| 92.5° | 24.2 | 65.3 | 106.4 | 116.7 | 164.1 | 227.1 | 258.7 | 226.7 | 162.8 | 114.8 | 110.3 |
| 95° | 58.0 | 133.2 | 208.5 | 227.3 | 403.7 | 638.8 | 756.3 | 674.9 | 512.0 | 389.9 | 376.1 |
| 97.5° | 100.4 | 166.8 | 233.1 | 249.7 | 543.7 | 935.8 | 1131.8 | 1080.3 | 977.4 | 900.2 | 873.8 |
| 100° | 133.0 | 193.2 | 253.4 | 268.4 | 594.7 | 1029.7 | 1247.2 | 1251.0 | 1258.5 | 1264.2 | 1232.8 |
| 102.5° | 160.9 | 217.1 | 273.2 | 287.2 | 618.1 | 1059.3 | 1279.9 | 1345.5 | 1476.6 | 1574.9 | 1548.1 |
| 105° | 207.9 | 255.5 | 303.1 | 315.0 | 635.5 | 1062.7 | 1276.3 | 1423.3 | 1717.2 | 1937.6 | 1923.2 |
| 107.5° | 256.3 | 300.7 | 345.1 | 356.1 | 638.7 | 1015.3 | 1203.7 | 1408.7 | 1818.7 | 2126.3 | 2129.8 |
| 110° | 289.0 | 329.0 | 369.1 | 379.1 | 633.8 | 973.5 | 1143.2 | 1372.4 | 1830.8 | 2174.6 | 2189.6 |



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CATALOG NUMBER: SQ4-FB-100U-050D-B35-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 321.0 | 359.2 | 397.4 | 406.9 | 634.0 | 936.8 | 1088.2 | 1322.8 | 1792.0 | 2143.8 | 2166.9 |
| 115° | 369.4 | 404.6 | 439.7 | 448.6 | 639.8 | 894.8 | 1022.3 | 1248.3 | 1700.3 | 2039.3 | 2071.3 |
| 117.5° | 417.2 | 449.1 | 481.1 | 489.1 | 651.7 | 868.5 | 976.9 | 1180.9 | 1588.8 | 1894.7 | 1930.2 |
| 120° | 445.0 | 475.1 | 505.1 | 512.7 | 661.4 | 859.7 | 958.8 | 1145.2 | 1517.8 | 1797.4 | 1831.9 |
| 122.5° | 472.2 | 502.5 | 532.9 | 540.5 | 675.3 | 855.0 | 945.0 | 1112.8 | 1448.4 | 1700.0 | 1734.1 |
| 125° | 513.9 | 541.6 | 569.3 | 576.2 | 694.1 | 851.3 | 929.9 | 1072.4 | 1357.5 | 1571.3 | 1602.7 |
| 127.5° | 547.8 | 575.7 | 603.7 | 610.7 | 712.8 | 849.0 | 917.2 | 1039.5 | 1284.3 | 1467.9 | 1494.4 |
| 130° | 565.9 | 596.0 | 626.1 | 633.6 | 726.6 | 850.4 | 912.3 | 1021.2 | 1239.2 | 1402.6 | 1427.0 |
| 132.5° | 584.6 | 614.7 | 644.8 | 652.3 | 737.6 | 851.3 | 908.0 | 1005.6 | 1200.7 | 1347.0 | 1368.9 |
| 135° | 612.4 | 639.8 | 667.3 | 674.1 | 749.7 | 850.4 | 900.8 | 982.5 | 1145.8 | 1268.4 | 1287.3 |
| 137.5° | 640.8 | 667.9 | 695.2 | 701.9 | 767.8 | 855.7 | 899.6 | 968.7 | 1106.8 | 1210.4 | 1225.8 |
| 140° | 664.4 | 689.4 | 714.4 | 720.6 | 778.9 | 856.5 | 895.4 | 955.0 | 1074.3 | 1163.8 | 1178.2 |
| 142.5° | 682.6 | 705.7 | 728.8 | 734.6 | 788.2 | 859.6 | 895.4 | 947.8 | 1052.5 | 1131.1 | 1143.5 |
| 145° | 710.4 | 730.5 | 750.7 | 755.7 | 800.3 | 859.7 | 889.3 | 932.2 | 1017.9 | 1082.2 | 1091.6 |
| 147.5° | 738.2 | 757.8 | 777.3 | 782.3 | 817.9 | 865.5 | 889.3 | 923.1 | 990.5 | 1041.1 | 1048.8 |
| 150° | 756.3 | 774.0 | 791.8 | 796.2 | 827.2 | 868.6 | 889.3 | 917.8 | 974.7 | 1017.4 | 1023.7 |
| 152.5° | 775.1 | 788.6 | 801.9 | 805.3 | 833.3 | 870.6 | 889.3 | 913.7 | 962.3 | 998.7 | 1003.5 |
| 155° | 802.9 | 812.8 | 822.7 | 825.2 | 846.6 | 875.1 | 889.3 | 908.7 | 947.4 | 976.4 | 979.6 |
| 157.5° | 823.5 | 833.1 | 842.7 | 845.2 | 859.9 | 879.6 | 889.3 | 904.4 | 934.5 | 957.1 | 959.3 |
| 160° | 837.3 | 844.9 | 852.4 | 854.3 | 866.0 | 881.6 | 889.3 | 902.2 | 928.0 | 947.4 | 948.7 |
| 162.5° | 851.3 | 856.9 | 862.5 | 864.0 | 872.4 | 883.7 | 889.3 | 900.2 | 922.0 | 938.3 | 939.4 |
| 165° | 866.4 | 871.4 | 876.6 | 877.8 | 881.7 | 886.8 | 889.3 | 897.1 | 912.7 | 924.4 | 925.7 |
| 167.5° | 880.2 | 882.7 | 885.1 | 885.7 | 888.9 | 893.2 | 895.4 | 900.5 | 910.7 | 918.3 | 918.9 |
| 170° | 889.3 | 891.8 | 894.2 | 894.8 | 895.0 | 895.3 | 895.4 | 900.5 | 910.7 | 918.3 | 918.3 |
| 172.5° | 894.2 | 894.7 | 895.3 | 895.4 | 895.4 | 895.4 | 895.4 | 899.4 | 907.5 | 913.5 | 913.0 |
| 175° | 900.8 | 900.8 | 900.8 | 900.8 | 898.9 | 896.5 | 895.4 | 897.9 | 903.0 | 906.9 | 906.9 |
| 177.5° | 900.8 | 900.8 | 900.8 | 900.8 | 899.4 | 897.6 | 896.6 | 898.7 | 902.6 | 905.6 | 905.0 |
| 180° | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 |



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CATALOG NUMBER: SQ4-FB-100U-050D-B35-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 303.1 | 303.1 |
| 2.5° | 323.5 | 321.6 |
| 5° | 416.2 | 418.1 |
| 7.5° | 560.5 | 559.5 |
| 10° | 696.9 | 705.6 |
| 12.5° | 796.3 | 798.3 |
| 15° | 856.8 | 860.7 |
| 17.5° | 880.1 | 881.1 |
| 20° | 881.1 | 879.2 |
| 22.5° | 870.4 | 868.4 |
| 25° | 857.8 | 856.8 |
| 27.5° | 846.0 | 847.0 |
| 30° | 841.2 | 844.1 |
| 32.5° | 841.2 | 846.0 |
| 35° | 843.1 | 848.0 |
| 37.5° | 842.2 | 848.0 |
| 40° | 838.2 | 845.1 |
| 42.5° | 827.5 | 832.4 |
| 45° | 811.0 | 816.8 |
| 47.5° | 789.4 | 793.4 |
| 50° | 762.2 | 766.1 |
| 52.5° | 728.1 | 729.1 |
| 55° | 687.1 | 691.1 |
| 57.5° | 643.3 | 644.3 |
| 60° | 594.6 | 597.5 |
| 62.5° | 542.9 | 542.9 |
| 65° | 488.3 | 490.2 |
| 67.5° | 431.8 | 436.6 |
| 70° | 374.3 | 375.3 |
| 72.5° | 317.7 | 317.7 |
| 75° | 259.3 | 260.3 |
| 77.5° | 203.7 | 203.7 |
| 80° | 151.1 | 152.0 |
| 82.5° | 104.3 | 106.2 |
| 85° | 65.3 | 65.3 |
| 87.5° | 30.2 | 27.3 |
| 90° | 23.0 | 23.0 |
| 92.5° | 92.0 | 73.7 |
| 95° | 320.7 | 265.4 |
| 97.5° | 768.5 | 663.2 |
| 100° | 1107.3 | 981.8 |
| 102.5° | 1440.5 | 1333.1 |
| 105° | 1865.4 | 1807.7 |
| 107.5° | 2143.8 | 2157.8 |
| 110° | 2249.9 | 2310.1 |



TEST NUMBER: P937499

CATALOG NUMBER: SQ4-FB-100U-050D-B35-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2259.3 | 2351.8 |
| 115° | 2199.4 | 2327.6 |
| 117.5° | 2072.4 | 2214.6 |
| 120° | 1970.1 | 2108.2 |
| 122.5° | 1870.4 | 2006.6 |
| 125° | 1728.1 | 1853.6 |
| 127.5° | 1600.3 | 1706.1 |
| 130° | 1524.9 | 1622.7 |
| 132.5° | 1456.5 | 1544.1 |
| 135° | 1362.8 | 1438.3 |
| 137.5° | 1287.6 | 1349.4 |
| 140° | 1236.1 | 1293.8 |
| 142.5° | 1193.3 | 1243.0 |
| 145° | 1129.3 | 1166.9 |
| 147.5° | 1080.0 | 1111.2 |
| 150° | 1049.0 | 1074.3 |
| 152.5° | 1022.6 | 1041.7 |
| 155° | 992.2 | 1004.8 |
| 157.5° | 968.1 | 976.9 |
| 160° | 953.8 | 958.8 |
| 162.5° | 944.3 | 949.1 |
| 165° | 930.8 | 935.9 |
| 167.5° | 921.0 | 923.2 |
| 170° | 918.3 | 918.3 |
| 172.5° | 911.2 | 909.3 |
| 175° | 906.9 | 906.9 |
| 177.5° | 902.9 | 900.8 |
| 180° | 900.8 | 900.8 |



TEST NUMBER: P937499
 CATALOG NUMBER: SQ4-FB-100U-050D-B35-1D-UNV-STD-W-6

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 | 0.81 | 1.53 | 1.93 | 2.64 | 4.18 | 13.98 | 14.69 | 15.09 | 15.81 | 17.35 |
| | 3H | 1.51 | 2.15 | 2.63 | 3.27 | 4.83 | 15.80 | 16.44 | 16.92 | 17.56 | 19.12 |
| | 4H | 1.80 | 2.41 | 2.93 | 3.53 | 5.10 | 16.43 | 17.05 | 17.57 | 18.17 | 19.73 |
| | 6H | 2.04 | 2.60 | 3.18 | 3.73 | 5.30 | 16.85 | 17.42 | 18.00 | 18.54 | 20.12 |
| | 8H | 2.10 | 2.64 | 3.25 | 3.78 | 5.35 | 16.97 | 17.50 | 18.11 | 18.64 | 20.21 |
| | 12H | 2.11 | 2.62 | 3.26 | 3.76 | 5.35 | 17.03 | 17.54 | 18.18 | 18.67 | 20.26 |
| 4H | 2H | 8.00 | 8.61 | 9.14 | 9.73 | 11.30 | 14.23 | 14.84 | 15.37 | 15.97 | 17.53 |
| | 3H | 9.55 | 10.07 | 10.70 | 11.21 | 12.79 | 16.26 | 16.77 | 17.41 | 17.92 | 19.50 |
| | 4H | 9.64 | 10.11 | 10.79 | 11.25 | 12.85 | 17.02 | 17.49 | 18.17 | 18.62 | 20.22 |
| | 6H | 9.65 | 10.05 | 10.80 | 11.21 | 12.80 | 17.54 | 17.95 | 18.70 | 19.11 | 20.69 |
| | 8H | 9.62 | 10.00 | 10.77 | 11.15 | 12.75 | 17.70 | 18.08 | 18.85 | 19.23 | 20.83 |
| | 12H | 9.57 | 9.91 | 10.74 | 11.07 | 12.68 | 17.78 | 18.12 | 18.95 | 19.29 | 20.90 |
| 8H | 4H | 11.07 | 11.45 | 12.23 | 12.60 | 14.21 | 17.07 | 17.44 | 18.22 | 18.59 | 20.20 |
| | 6H | 11.31 | 11.62 | 12.48 | 12.81 | 14.41 | 17.68 | 17.99 | 18.86 | 19.19 | 20.79 |
| | 8H | 11.32 | 11.60 | 12.50 | 12.77 | 14.39 | 17.90 | 18.17 | 19.08 | 19.34 | 20.96 |
| | 12H | 11.28 | 11.52 | 12.47 | 12.69 | 14.35 | 18.03 | 18.27 | 19.22 | 19.44 | 21.10 |
| 12H | 4H | 11.21 | 11.55 | 12.38 | 12.71 | 14.32 | 17.01 | 17.35 | 18.18 | 18.52 | 20.13 |
| | 6H | 11.56 | 11.83 | 12.74 | 13.01 | 14.63 | 17.66 | 17.94 | 18.85 | 19.11 | 20.73 |
| | 8H | 11.62 | 11.86 | 12.81 | 13.03 | 14.69 | 17.88 | 18.12 | 19.07 | 19.29 | 20.95 |