

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: P936816

Luminaire Tested: SQ4-FB-050U-100D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936816
REPORT IS A COMBINATION OF REPORTS P933487 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-100D-835-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

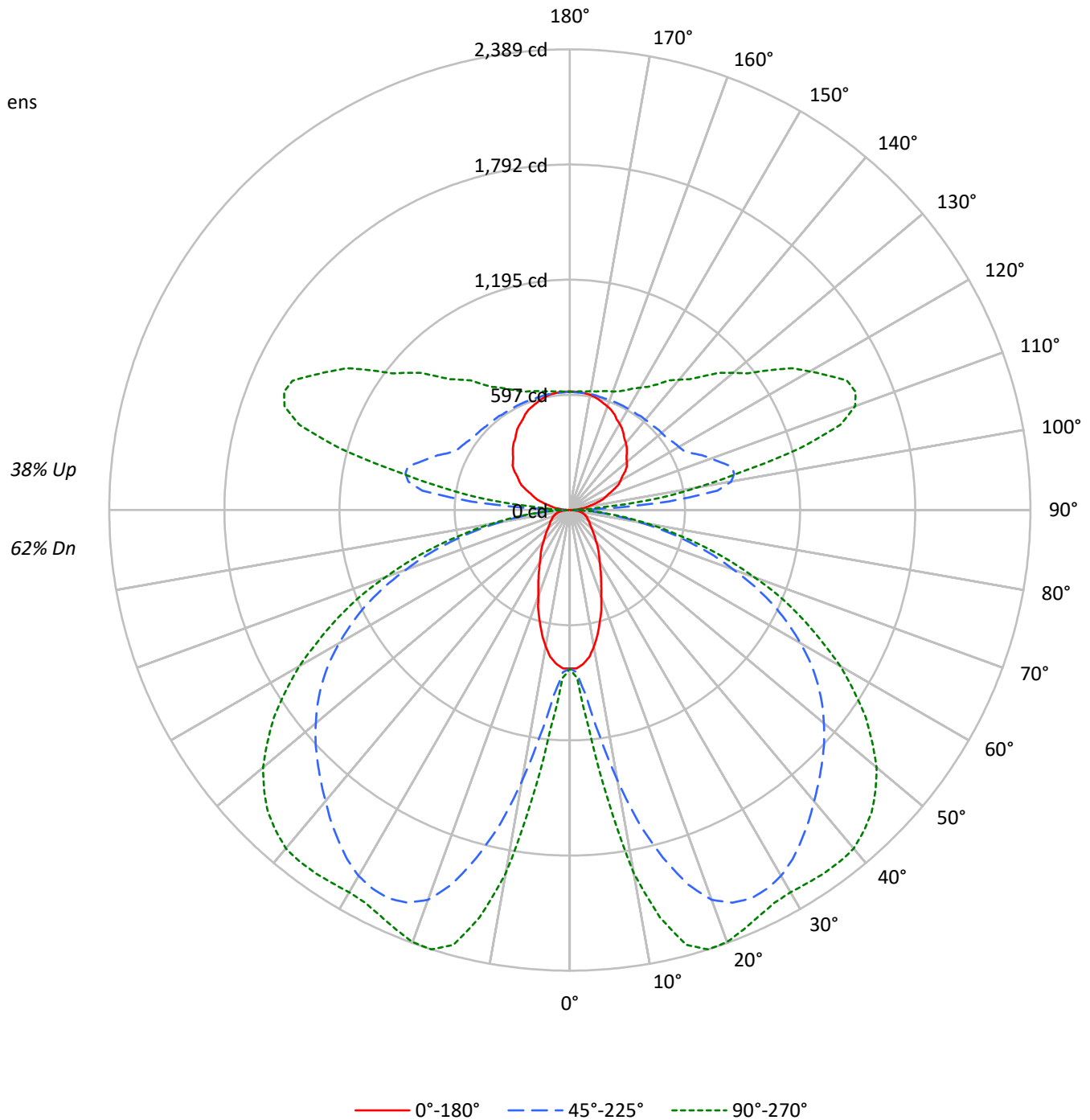
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10342.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 90.4
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: P936816
CATALOG NUMBER: SQ4-FB-050U-100D-835-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P936816

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 3813 | 3813 | 3813 |
| 5° | 3725 | 4407 | 5125 |
| 10° | 3379 | 6424 | 8497 |
| 15° | 2872 | 8393 | 10260 |
| 20° | 2338 | 9726 | 10457 |
| 25° | 1950 | 10178 | 10244 |
| 30° | 1645 | 10243 | 10225 |
| 35° | 1454 | 10073 | 10489 |
| 40° | 1267 | 9851 | 10763 |
| 45° | 1148 | 9690 | 10805 |
| 50° | 1053 | 9544 | 10626 |
| 55° | 1008 | 9330 | 10155 |
| 60° | 1032 | 8921 | 9411 |
| 65° | 1073 | 8298 | 8390 |
| 70° | 1144 | 7237 | 7087 |
| 75° | 1267 | 5900 | 5531 |
| 80° | 1385 | 4092 | 3727 |
| 85° | 1230 | 2172 | 1908 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10805 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 106.3 | 1.0 |
| 10°-20° | 471.2 | 4.6 |
| 20°-30° | 824.2 | 8.0 |
| 30°-40° | 1061.0 | 10.3 |
| 40°-50° | 1185.0 | 11.5 |
| 50°-60° | 1135.0 | 11.0 |
| 60°-70° | 899.5 | 8.7 |
| 70°-80° | 528.9 | 5.1 |
| 80°-90° | 149.3 | 1.4 |
| 90°-100° | 299.4 | 2.9 |
| 100°-110° | 787.1 | 7.6 |
| 110°-120° | 816.2 | 7.9 |
| 120°-130° | 654.7 | 6.3 |
| 130°-140° | 513.7 | 5.0 |
| 140°-150° | 394.3 | 3.8 |
| 150°-160° | 283.9 | 2.7 |
| 160°-170° | 173.7 | 1.7 |
| 170°-180° | 58.7 | 0.6 |
| 0°-30° | 1401.7 | 13.6 |
| 0°-40° | 2462.6 | 23.8 |
| 0°-60° | 4782.7 | 46.2 |
| 0°-90° | 6360.4 | 61.5 |
| 90°-120° | 1902.7 | 18.4 |
| 90°-150° | 3465.3 | 33.5 |
| 90°-180° | 3982.0 | 38.5 |
| 0°-180° | 10342.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 822 | 822 | 822 | 822 | 822 | |
| 5° | 801 | 859 | 967 | 1094 | 1134 | 74 |
| 15° | 600 | 1107 | 1866 | 2262 | 2334 | 167 |
| 25° | 383 | 1255 | 2222 | 2320 | 2323 | 176 |
| 35° | 259 | 1200 | 2093 | 2212 | 2299 | 162 |
| 45° | 177 | 957 | 1850 | 2119 | 2215 | 137 |
| 55° | 127 | 608 | 1570 | 1823 | 1874 | 116 |
| 65° | 100 | 322 | 1165 | 1311 | 1329 | 100 |
| 75° | 74 | 198 | 640 | 703 | 706 | 77 |
| 85° | 26 | 61 | 159 | 174 | 177 | 28 |
| 90° | 4 | 12 | 31 | 16 | 16 | 5 |
| 95° | 40 | 155 | 516 | 266 | 181 | 44 |
| 105° | 142 | 215 | 870 | 1321 | 1232 | 150 |
| 115° | 252 | 306 | 697 | 1390 | 1587 | 249 |
| 125° | 350 | 393 | 634 | 1071 | 1264 | 311 |
| 135° | 418 | 460 | 614 | 865 | 981 | 323 |
| 145° | 484 | 515 | 606 | 738 | 796 | 303 |
| 155° | 547 | 563 | 606 | 666 | 685 | 252 |
| 165° | 591 | 598 | 606 | 630 | 638 | 167 |
| 175° | 614 | 614 | 610 | 618 | 618 | 58 |
| 180° | 614 | 614 | 614 | 614 | 614 | |



TEST NUMBER: P936816
 CATALOG NUMBER: SQ4-FB-050U-100D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 821.9 | 821.9 | 821.9 | 821.9 | 821.9 | 821.9 | 821.9 | 821.9 | 821.9 | 821.9 | 821.9 |
| 2.5° | 821.9 | 821.9 | 827.2 | 829.8 | 835.1 | 837.7 | 843.0 | 848.3 | 864.2 | 866.8 | 872.1 |
| 5° | 800.7 | 811.3 | 845.7 | 858.9 | 895.9 | 946.1 | 967.2 | 1001.6 | 1072.9 | 1094.1 | 1107.3 |
| 7.5° | 769.0 | 792.8 | 877.4 | 898.5 | 991.0 | 1123.1 | 1178.6 | 1252.6 | 1366.3 | 1421.8 | 1466.7 |
| 10° | 718.8 | 769.0 | 919.7 | 969.9 | 1120.5 | 1321.3 | 1424.4 | 1527.5 | 1699.2 | 1775.9 | 1804.9 |
| 12.5° | 663.3 | 745.2 | 964.6 | 1033.3 | 1250.0 | 1543.3 | 1667.5 | 1781.2 | 1976.7 | 2079.8 | 2095.6 |
| 15° | 599.9 | 710.9 | 1006.9 | 1107.3 | 1387.4 | 1728.3 | 1865.7 | 2005.8 | 2188.1 | 2262.1 | 2280.6 |
| 17.5° | 544.4 | 684.5 | 1046.5 | 1152.2 | 1493.1 | 1894.8 | 2034.9 | 2151.1 | 2299.1 | 2349.3 | 2362.6 |
| 20° | 475.7 | 642.2 | 1072.9 | 1210.3 | 1604.1 | 2016.4 | 2151.1 | 2241.0 | 2341.4 | 2373.1 | 2378.4 |
| 22.5° | 425.5 | 597.2 | 1088.8 | 1231.5 | 1678.1 | 2090.4 | 2204.0 | 2275.3 | 2344.1 | 2354.6 | 2357.3 |
| 25° | 383.2 | 547.0 | 1086.1 | 1255.3 | 1741.5 | 2135.3 | 2222.5 | 2275.3 | 2315.0 | 2320.3 | 2320.3 |
| 27.5° | 343.5 | 491.5 | 1075.6 | 1260.6 | 1789.1 | 2145.9 | 2214.6 | 2251.6 | 2270.1 | 2280.6 | 2280.6 |
| 30° | 309.2 | 438.7 | 1049.1 | 1250.0 | 1810.2 | 2135.3 | 2190.8 | 2209.3 | 2227.8 | 2243.6 | 2251.6 |
| 32.5° | 282.8 | 388.5 | 1009.5 | 1228.8 | 1812.9 | 2108.9 | 2148.5 | 2159.1 | 2185.5 | 2222.5 | 2235.7 |
| 35° | 259.0 | 338.3 | 964.6 | 1199.8 | 1797.0 | 2066.6 | 2093.0 | 2103.6 | 2156.4 | 2211.9 | 2230.4 |
| 37.5° | 235.2 | 301.3 | 906.4 | 1149.6 | 1773.2 | 2016.4 | 2034.9 | 2053.4 | 2135.3 | 2201.3 | 2222.5 |
| 40° | 211.4 | 269.6 | 837.7 | 1094.1 | 1736.2 | 1955.6 | 1971.4 | 2000.5 | 2108.9 | 2185.5 | 2206.6 |
| 42.5° | 192.9 | 243.1 | 763.7 | 1035.9 | 1688.7 | 1886.9 | 1910.7 | 1952.9 | 2077.1 | 2159.1 | 2182.9 |
| 45° | 177.1 | 216.7 | 684.5 | 956.6 | 1627.9 | 1815.5 | 1849.9 | 1908.0 | 2040.1 | 2119.4 | 2140.6 |
| 47.5° | 161.2 | 198.2 | 602.5 | 874.7 | 1561.8 | 1744.2 | 1789.1 | 1855.2 | 1989.9 | 2066.6 | 2085.1 |
| 50° | 148.0 | 179.7 | 520.6 | 787.5 | 1490.5 | 1667.5 | 1720.4 | 1789.1 | 1926.5 | 1997.9 | 2021.6 |
| 52.5° | 137.4 | 163.8 | 444.0 | 700.3 | 1408.5 | 1588.2 | 1649.0 | 1720.4 | 1849.9 | 1918.6 | 1934.4 |
| 55° | 126.8 | 150.6 | 377.9 | 607.8 | 1324.0 | 1503.7 | 1569.7 | 1638.5 | 1765.3 | 1823.4 | 1834.0 |
| 57.5° | 121.6 | 140.1 | 322.4 | 520.6 | 1234.1 | 1408.5 | 1482.5 | 1546.0 | 1664.9 | 1709.8 | 1720.4 |
| 60° | 113.6 | 132.1 | 280.1 | 446.6 | 1136.4 | 1318.7 | 1382.1 | 1445.5 | 1546.0 | 1583.0 | 1590.9 |
| 62.5° | 105.7 | 126.8 | 248.4 | 375.3 | 1035.9 | 1213.0 | 1276.4 | 1334.6 | 1419.1 | 1445.5 | 1456.1 |
| 65° | 100.4 | 121.6 | 224.6 | 322.4 | 932.9 | 1102.0 | 1165.4 | 1215.6 | 1284.3 | 1310.8 | 1316.1 |
| 67.5° | 95.1 | 116.3 | 206.1 | 277.5 | 829.8 | 991.0 | 1038.6 | 1086.1 | 1139.0 | 1165.4 | 1168.1 |
| 70° | 87.2 | 111.0 | 190.3 | 245.8 | 724.1 | 864.2 | 903.8 | 954.0 | 996.3 | 1009.5 | 1017.4 |
| 72.5° | 81.9 | 103.1 | 179.7 | 222.0 | 615.7 | 742.6 | 779.6 | 808.7 | 845.7 | 858.9 | 858.9 |
| 75° | 74.0 | 92.5 | 169.1 | 198.2 | 504.8 | 607.8 | 639.5 | 668.6 | 697.7 | 703.0 | 695.0 |
| 77.5° | 66.1 | 81.9 | 145.3 | 166.5 | 393.8 | 481.0 | 507.4 | 523.2 | 547.0 | 552.3 | 555.0 |
| 80° | 55.5 | 71.4 | 113.6 | 129.5 | 285.4 | 354.1 | 372.6 | 385.8 | 407.0 | 407.0 | 412.3 |
| 82.5° | 42.3 | 55.5 | 81.9 | 92.5 | 192.9 | 243.1 | 259.0 | 266.9 | 280.1 | 280.1 | 280.1 |
| 85° | 26.4 | 34.4 | 52.9 | 60.8 | 116.3 | 148.0 | 158.6 | 161.2 | 171.8 | 174.4 | 174.4 |
| 87.5° | 13.2 | 18.5 | 34.4 | 37.0 | 60.8 | 76.6 | 76.6 | 81.9 | 81.9 | 79.3 | 76.6 |
| 90° | 4.1 | 7.4 | 10.7 | 11.5 | 18.1 | 26.9 | 31.3 | 27.8 | 20.9 | 15.7 | 15.7 |
| 92.5° | 16.5 | 44.5 | 72.6 | 79.6 | 111.9 | 154.9 | 176.4 | 154.6 | 111.0 | 78.3 | 75.2 |
| 95° | 39.6 | 90.9 | 142.2 | 155.0 | 275.2 | 435.5 | 515.7 | 460.2 | 349.2 | 265.9 | 256.5 |
| 97.5° | 68.4 | 113.6 | 158.9 | 170.2 | 370.7 | 638.0 | 771.7 | 736.6 | 666.4 | 613.8 | 595.8 |
| 100° | 90.7 | 131.7 | 172.7 | 183.0 | 405.5 | 702.1 | 850.4 | 853.0 | 858.1 | 861.9 | 840.5 |
| 102.5° | 109.7 | 148.0 | 186.2 | 195.8 | 421.4 | 722.3 | 872.7 | 917.4 | 1006.8 | 1073.8 | 1055.5 |
| 105° | 141.8 | 174.2 | 206.7 | 214.8 | 433.3 | 724.6 | 870.2 | 970.4 | 1170.9 | 1321.2 | 1311.3 |
| 107.5° | 174.8 | 205.0 | 235.2 | 242.8 | 435.4 | 692.3 | 820.7 | 960.5 | 1240.1 | 1449.8 | 1452.2 |
| 110° | 197.0 | 224.3 | 251.7 | 258.5 | 432.2 | 663.7 | 779.5 | 935.8 | 1248.3 | 1482.7 | 1493.0 |



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CATALOG NUMBER: SQ4-FB-050U-100D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 112.5° | 218.9 | 244.9 | 270.9 | 277.4 | 432.3 | 638.8 | 742.0 | 901.9 | 1221.8 | 1461.7 | 1477.5 |
| 115° | 251.9 | 275.9 | 299.9 | 305.9 | 436.3 | 610.2 | 697.1 | 851.2 | 1159.3 | 1390.4 | 1412.2 |
| 117.5° | 284.4 | 306.2 | 328.0 | 333.5 | 444.4 | 592.2 | 666.1 | 805.2 | 1083.3 | 1291.9 | 1316.1 |
| 120° | 303.4 | 323.9 | 344.5 | 349.6 | 451.0 | 586.2 | 653.8 | 780.8 | 1034.9 | 1225.5 | 1249.0 |
| 122.5° | 321.9 | 342.6 | 363.3 | 368.5 | 460.4 | 583.0 | 644.3 | 758.7 | 987.6 | 1159.2 | 1182.4 |
| 125° | 350.4 | 369.2 | 388.1 | 392.8 | 473.2 | 580.4 | 634.0 | 731.2 | 925.6 | 1071.4 | 1092.8 |
| 127.5° | 373.5 | 392.5 | 411.5 | 416.3 | 486.0 | 578.9 | 625.3 | 708.8 | 875.7 | 1000.9 | 1018.9 |
| 130° | 385.8 | 406.3 | 426.9 | 432.0 | 495.3 | 579.8 | 622.0 | 696.3 | 844.9 | 956.3 | 973.0 |
| 132.5° | 398.6 | 419.1 | 439.7 | 444.8 | 502.9 | 580.4 | 619.2 | 685.7 | 818.7 | 918.4 | 933.3 |
| 135° | 417.6 | 436.3 | 454.9 | 459.6 | 511.1 | 579.8 | 614.2 | 669.9 | 781.3 | 864.8 | 877.7 |
| 137.5° | 437.0 | 455.5 | 474.0 | 478.6 | 523.5 | 583.4 | 613.4 | 660.5 | 754.7 | 825.3 | 835.8 |
| 140° | 453.0 | 470.1 | 487.1 | 491.4 | 531.1 | 584.0 | 610.5 | 651.2 | 732.5 | 793.5 | 803.3 |
| 142.5° | 465.4 | 481.1 | 496.9 | 500.8 | 537.4 | 586.1 | 610.5 | 646.2 | 717.7 | 771.3 | 779.8 |
| 145° | 484.4 | 498.1 | 511.9 | 515.3 | 545.7 | 586.2 | 606.4 | 635.6 | 694.1 | 737.9 | 744.3 |
| 147.5° | 503.3 | 516.7 | 530.1 | 533.4 | 557.7 | 590.2 | 606.4 | 629.4 | 675.3 | 709.8 | 715.1 |
| 150° | 515.7 | 527.8 | 539.9 | 542.9 | 564.1 | 592.3 | 606.4 | 625.8 | 664.7 | 693.8 | 698.1 |
| 152.5° | 528.5 | 537.7 | 546.8 | 549.1 | 568.2 | 593.7 | 606.4 | 623.0 | 656.1 | 681.0 | 684.3 |
| 155° | 547.4 | 554.2 | 561.0 | 562.7 | 577.3 | 596.7 | 606.4 | 619.6 | 645.9 | 665.7 | 667.9 |
| 157.5° | 561.4 | 568.0 | 574.6 | 576.3 | 586.3 | 599.7 | 606.4 | 616.6 | 637.1 | 652.5 | 654.0 |
| 160° | 570.9 | 576.1 | 581.2 | 582.5 | 590.5 | 601.1 | 606.4 | 615.2 | 632.7 | 645.9 | 646.8 |
| 162.5° | 580.4 | 584.3 | 588.1 | 589.1 | 594.9 | 602.6 | 606.4 | 613.8 | 628.7 | 639.8 | 640.6 |
| 165° | 590.7 | 594.2 | 597.6 | 598.5 | 601.1 | 604.6 | 606.4 | 611.7 | 622.3 | 630.3 | 631.2 |
| 167.5° | 600.2 | 601.8 | 603.5 | 603.9 | 606.1 | 609.0 | 610.5 | 614.0 | 621.0 | 626.2 | 626.6 |
| 170° | 606.4 | 608.0 | 609.7 | 610.1 | 610.2 | 610.4 | 610.5 | 614.0 | 621.0 | 626.2 | 626.2 |
| 172.5° | 609.7 | 610.1 | 610.4 | 610.5 | 610.5 | 610.5 | 610.5 | 613.3 | 618.8 | 622.9 | 622.6 |
| 175° | 614.2 | 614.2 | 614.2 | 614.2 | 613.0 | 611.3 | 610.5 | 612.2 | 615.7 | 618.3 | 618.3 |
| 177.5° | 614.2 | 614.2 | 614.2 | 614.2 | 613.2 | 611.9 | 611.3 | 612.7 | 615.4 | 617.5 | 617.1 |
| 180° | 614.2 | 614.2 | 614.2 | 614.2 | 614.2 | 614.2 | 614.2 | 614.2 | 614.2 | 614.2 | 614.2 |



TEST NUMBER: P936816

CATALOG NUMBER: SQ4-FB-050U-100D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 821.9 | 821.9 |
| 2.5° | 877.4 | 872.1 |
| 5° | 1128.4 | 1133.7 |
| 7.5° | 1519.5 | 1516.9 |
| 10° | 1889.5 | 1913.3 |
| 12.5° | 2159.1 | 2164.4 |
| 15° | 2322.9 | 2333.5 |
| 17.5° | 2386.3 | 2389.0 |
| 20° | 2389.0 | 2383.7 |
| 22.5° | 2359.9 | 2354.6 |
| 25° | 2325.6 | 2322.9 |
| 27.5° | 2293.8 | 2296.5 |
| 30° | 2280.6 | 2288.6 |
| 32.5° | 2280.6 | 2293.8 |
| 35° | 2285.9 | 2299.1 |
| 37.5° | 2283.3 | 2299.1 |
| 40° | 2272.7 | 2291.2 |
| 42.5° | 2243.6 | 2256.8 |
| 45° | 2198.7 | 2214.6 |
| 47.5° | 2140.6 | 2151.1 |
| 50° | 2066.6 | 2077.1 |
| 52.5° | 1974.1 | 1976.7 |
| 55° | 1863.1 | 1873.7 |
| 57.5° | 1744.2 | 1746.8 |
| 60° | 1612.0 | 1620.0 |
| 62.5° | 1472.0 | 1472.0 |
| 65° | 1324.0 | 1329.3 |
| 67.5° | 1170.7 | 1183.9 |
| 70° | 1014.8 | 1017.4 |
| 72.5° | 861.5 | 861.5 |
| 75° | 703.0 | 705.6 |
| 77.5° | 552.3 | 552.3 |
| 80° | 409.6 | 412.3 |
| 82.5° | 282.8 | 288.1 |
| 85° | 177.1 | 177.1 |
| 87.5° | 81.9 | 74.0 |
| 90° | 15.7 | 15.7 |
| 92.5° | 62.7 | 50.3 |
| 95° | 218.7 | 181.0 |
| 97.5° | 524.0 | 452.2 |
| 100° | 755.0 | 669.4 |
| 102.5° | 982.2 | 908.9 |
| 105° | 1271.9 | 1232.5 |
| 107.5° | 1461.7 | 1471.2 |
| 110° | 1534.0 | 1575.1 |



TEST NUMBER: P936816

CATALOG NUMBER: SQ4-FB-050U-100D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1540.5 | 1603.5 |
| 115° | 1499.6 | 1587.0 |
| 117.5° | 1413.1 | 1510.0 |
| 120° | 1343.2 | 1437.4 |
| 122.5° | 1275.3 | 1368.2 |
| 125° | 1178.3 | 1263.9 |
| 127.5° | 1091.1 | 1163.3 |
| 130° | 1039.7 | 1106.4 |
| 132.5° | 993.1 | 1052.8 |
| 135° | 929.2 | 980.7 |
| 137.5° | 878.0 | 920.1 |
| 140° | 842.7 | 882.1 |
| 142.5° | 813.6 | 847.5 |
| 145° | 770.0 | 795.6 |
| 147.5° | 736.4 | 757.7 |
| 150° | 715.3 | 732.5 |
| 152.5° | 697.3 | 710.3 |
| 155° | 676.5 | 685.1 |
| 157.5° | 660.1 | 666.1 |
| 160° | 650.3 | 653.8 |
| 162.5° | 643.9 | 647.2 |
| 165° | 634.6 | 638.1 |
| 167.5° | 628.0 | 629.5 |
| 170° | 626.2 | 626.2 |
| 172.5° | 621.3 | 620.0 |
| 175° | 618.3 | 618.3 |
| 177.5° | 615.7 | 614.2 |
| 180° | 614.2 | 614.2 |



TEST NUMBER: P936816
 CATALOG NUMBER: SQ4-FB-050U-100D-835-1D-UNV-STD-W-8

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 | 6.64 | 7.66 | 7.48 | 8.54 | 9.63 | 19.82 | 20.84 | 20.66 | 21.71 | 22.81 |
| | 3H | 7.36 | 8.28 | 8.21 | 9.16 | 10.28 | 21.67 | 22.59 | 22.52 | 23.47 | 24.59 |
| | 4H | 7.66 | 8.54 | 8.53 | 9.42 | 10.55 | 22.32 | 23.20 | 23.19 | 24.08 | 25.21 |
| | 6H | 7.92 | 8.73 | 8.81 | 9.62 | 10.77 | 22.76 | 23.57 | 23.65 | 24.46 | 25.61 |
| | 8H | 7.99 | 8.76 | 8.89 | 9.68 | 10.82 | 22.89 | 23.66 | 23.78 | 24.57 | 25.71 |
| | 12H | 8.02 | 8.75 | 8.92 | 9.66 | 10.83 | 22.96 | 23.69 | 23.86 | 24.60 | 25.77 |
| 4H | 2H | 13.87 | 14.75 | 14.75 | 15.64 | 16.76 | 20.11 | 20.99 | 20.99 | 21.87 | 23.00 |
| | 3H | 15.46 | 16.19 | 16.34 | 17.11 | 18.25 | 22.17 | 22.90 | 23.06 | 23.82 | 24.97 |
| | 4H | 15.56 | 16.23 | 16.46 | 17.14 | 18.31 | 22.95 | 23.62 | 23.85 | 24.53 | 25.70 |
| | 6H | 15.58 | 16.16 | 16.49 | 17.10 | 18.27 | 23.50 | 24.08 | 24.41 | 25.01 | 26.19 |
| | 8H | 15.56 | 16.10 | 16.48 | 17.04 | 18.22 | 23.66 | 24.20 | 24.58 | 25.14 | 26.32 |
| | 12H | 15.52 | 16.02 | 16.46 | 16.97 | 18.16 | 23.76 | 24.25 | 24.70 | 25.21 | 26.40 |
| 8H | 4H | 17.02 | 17.56 | 17.94 | 18.49 | 19.68 | 23.02 | 23.56 | 23.94 | 24.50 | 25.68 |
| | 6H | 17.27 | 17.72 | 18.21 | 18.69 | 19.88 | 23.66 | 24.11 | 24.60 | 25.08 | 26.27 |
| | 8H | 17.29 | 17.69 | 18.24 | 18.65 | 19.86 | 23.88 | 24.28 | 24.83 | 25.24 | 26.45 |
| | 12H | 17.26 | 17.62 | 18.22 | 18.57 | 19.83 | 24.03 | 24.38 | 24.99 | 25.34 | 26.60 |
| 12H | 4H | 17.17 | 17.66 | 18.11 | 18.61 | 19.80 | 22.98 | 23.47 | 23.92 | 24.42 | 25.62 |
| | 6H | 17.53 | 17.93 | 18.48 | 18.89 | 20.10 | 23.64 | 24.04 | 24.60 | 25.01 | 26.21 |
| | 8H | 17.61 | 17.96 | 18.56 | 18.92 | 20.17 | 23.88 | 24.23 | 24.84 | 25.19 | 26.44 |