

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: P937609

Luminaire Tested: SQ4-FB-100U-100D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937609
REPORT IS A COMBINATION OF REPORTS P933559 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-100U-100D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

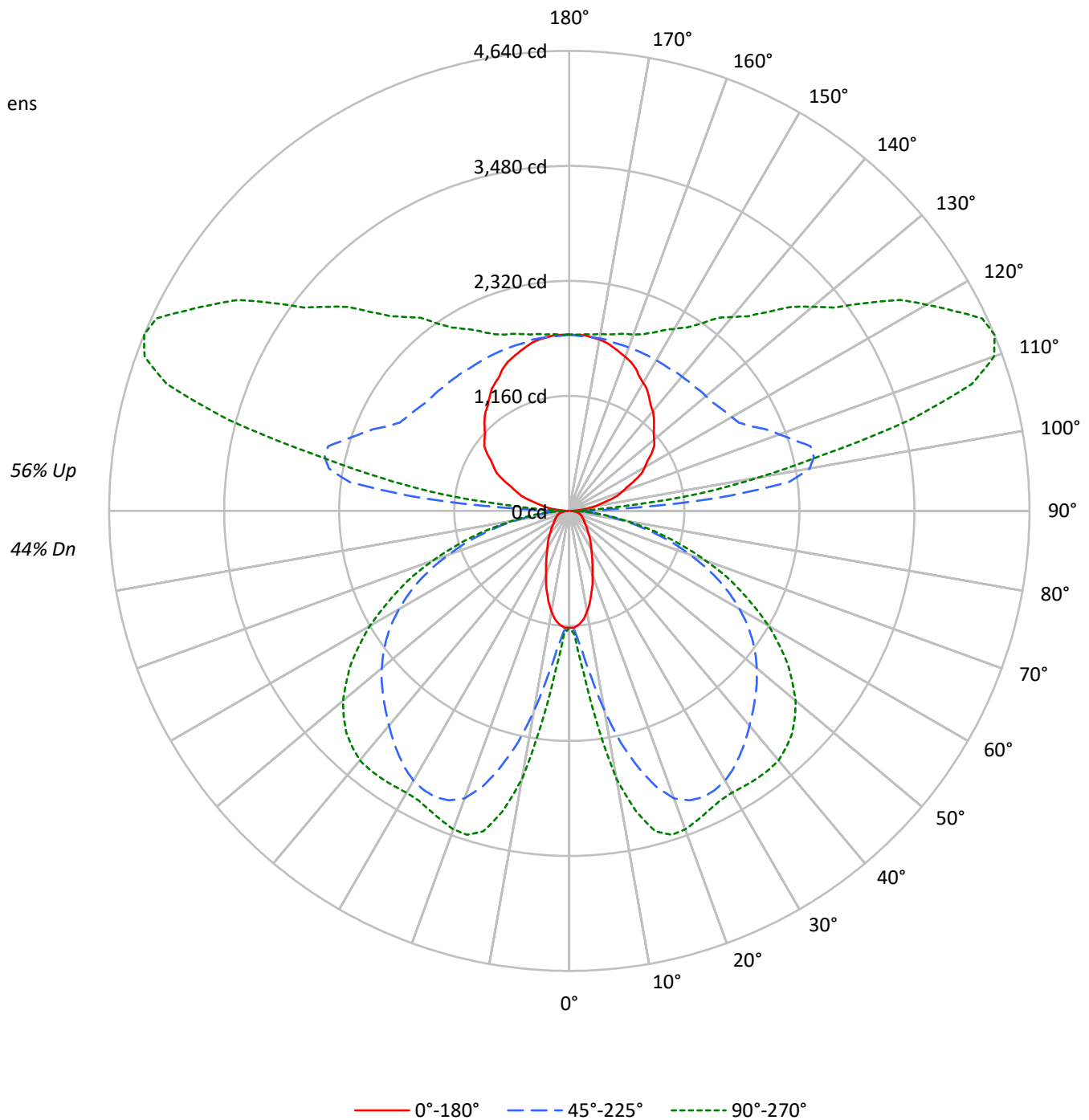
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20645.8 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 174
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: P937609
CATALOG NUMBER: SQ4-FB-100U-100D-830-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P937609

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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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 | | | 44 |
| 1 | 96 | 91 | 87 | 84 | 88 | 84 | 80 | 77 | 69 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 | 36 | | | 36 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 43 | 38 | 36 | 34 | 30 | | | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 63 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 33 | 31 | 29 | 24 | | | 24 |
| 4 | 72 | 61 | 53 | 46 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 38 | 34 | 30 | 29 | 27 | 24 | 20 | | | 20 |
| 5 | 66 | 54 | 46 | 39 | 60 | 49 | 42 | 37 | 41 | 36 | 31 | 33 | 29 | 26 | 26 | 23 | 21 | 17 | | | 17 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 20 | 18 | 15 | | | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 19 | 21 | 18 | 16 | 13 | | | 13 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 20 | 25 | 20 | 17 | 19 | 16 | 14 | 11 | | | 11 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 12 | 10 | | | 10 |
| 10 | 44 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 16 | 14 | 16 | 13 | 11 | 9 | | | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|-------|
| 0° | 3645 | 3645 | 3645 |
| 5° | 3562 | 4214 | 4900 |
| 10° | 3232 | 6144 | 8122 |
| 15° | 2748 | 8029 | 9808 |
| 20° | 2238 | 9307 | 9996 |
| 25° | 1868 | 9741 | 9793 |
| 30° | 1576 | 9805 | 9774 |
| 35° | 1394 | 9645 | 10027 |
| 40° | 1215 | 9436 | 10288 |
| 45° | 1101 | 9284 | 10329 |
| 50° | 1011 | 9148 | 10157 |
| 55° | 969 | 8947 | 9707 |
| 60° | 993 | 8558 | 8996 |
| 65° | 1035 | 7965 | 8019 |
| 70° | 1105 | 6951 | 6775 |
| 75° | 1230 | 5672 | 5287 |
| 80° | 1352 | 3939 | 3562 |
| 85° | 1228 | 2093 | 1824 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10329 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 152.4 | 0.7 |
| 10°-20° | 675.6 | 3.3 |
| 20°-30° | 1181.7 | 5.7 |
| 30°-40° | 1521.2 | 7.4 |
| 40°-50° | 1699.2 | 8.2 |
| 50°-60° | 1627.4 | 7.9 |
| 60°-70° | 1289.7 | 6.2 |
| 70°-80° | 758.4 | 3.7 |
| 80°-90° | 217.5 | 1.1 |
| 90°-100° | 866.4 | 4.2 |
| 100°-110° | 2277.9 | 11.0 |
| 110°-120° | 2361.9 | 11.4 |
| 120°-130° | 1894.6 | 9.2 |
| 130°-140° | 1486.5 | 7.2 |
| 140°-150° | 1141.0 | 5.5 |
| 150°-160° | 821.7 | 4.0 |
| 160°-170° | 502.8 | 2.4 |
| 170°-180° | 169.9 | 0.8 |
| 0°-30° | 2009.8 | 9.7 |
| 0°-40° | 3531.0 | 17.1 |
| 0°-60° | 6857.6 | 33.2 |
| 0°-90° | 9123.2 | 44.2 |
| 90°-120° | 5506.2 | 26.7 |
| 90°-150° | 10028.3 | 48.6 |
| 90°-180° | 11523.0 | 55.8 |
| 0°-180° | 20645.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1178 | 1178 | 1178 | 1178 | 1178 | |
| 5° | 1148 | 1232 | 1387 | 1569 | 1626 | 106 |
| 15° | 860 | 1588 | 2675 | 3244 | 3346 | 239 |
| 25° | 549 | 1800 | 3187 | 3327 | 3331 | 253 |
| 35° | 371 | 1720 | 3001 | 3172 | 3297 | 232 |
| 45° | 254 | 1372 | 2652 | 3039 | 3175 | 196 |
| 55° | 182 | 872 | 2251 | 2615 | 2687 | 166 |
| 65° | 144 | 462 | 1671 | 1879 | 1906 | 143 |
| 75° | 106 | 284 | 917 | 1008 | 1012 | 111 |
| 85° | 38 | 87 | 227 | 250 | 254 | 40 |
| 90° | 12 | 33 | 91 | 45 | 45 | 12 |
| 95° | 114 | 449 | 1492 | 769 | 524 | 127 |
| 105° | 410 | 622 | 2518 | 3823 | 3567 | 435 |
| 115° | 729 | 885 | 2017 | 4024 | 4593 | 720 |
| 125° | 1014 | 1137 | 1835 | 3100 | 3658 | 900 |
| 135° | 1208 | 1330 | 1778 | 2503 | 2838 | 935 |
| 145° | 1402 | 1491 | 1755 | 2135 | 2302 | 878 |
| 155° | 1584 | 1628 | 1755 | 1926 | 1983 | 728 |
| 165° | 1709 | 1732 | 1755 | 1824 | 1847 | 482 |
| 175° | 1778 | 1778 | 1767 | 1789 | 1789 | 169 |
| 180° | 1778 | 1778 | 1778 | 1778 | 1778 | |



TEST NUMBER: P937609

CATALOG NUMBER: SQ4-FB-100U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1178.5 | 1178.5 | 1178.5 | 1178.5 | 1178.5 | 1178.5 | 1178.5 | 1178.5 | 1178.5 | 1178.5 | 1178.5 |
| 2.5° | 1178.5 | 1178.5 | 1186.0 | 1189.8 | 1197.4 | 1201.2 | 1208.8 | 1216.3 | 1239.1 | 1242.9 | 1250.4 |
| 5° | 1148.2 | 1163.3 | 1212.6 | 1231.5 | 1284.6 | 1356.6 | 1386.9 | 1436.1 | 1538.4 | 1568.7 | 1587.6 |
| 7.5° | 1102.7 | 1136.8 | 1258.0 | 1288.3 | 1420.9 | 1610.4 | 1690.0 | 1796.0 | 1959.0 | 2038.6 | 2103.0 |
| 10° | 1030.7 | 1102.7 | 1318.6 | 1390.6 | 1606.7 | 1894.6 | 2042.4 | 2190.2 | 2436.5 | 2546.3 | 2588.0 |
| 12.5° | 951.1 | 1068.5 | 1383.0 | 1481.6 | 1792.3 | 2212.9 | 2391.0 | 2554.0 | 2834.3 | 2982.1 | 3004.8 |
| 15° | 860.1 | 1019.3 | 1443.7 | 1587.6 | 1989.3 | 2478.1 | 2675.2 | 2876.0 | 3137.5 | 3243.5 | 3270.1 |
| 17.5° | 780.6 | 981.4 | 1500.5 | 1652.1 | 2140.9 | 2716.9 | 2917.7 | 3084.4 | 3296.6 | 3368.6 | 3387.6 |
| 20° | 682.0 | 920.8 | 1538.4 | 1735.4 | 2300.0 | 2891.1 | 3084.4 | 3213.2 | 3357.2 | 3402.7 | 3410.2 |
| 22.5° | 610.0 | 856.4 | 1561.1 | 1765.7 | 2406.2 | 2997.3 | 3160.2 | 3262.5 | 3361.0 | 3376.2 | 3379.9 |
| 25° | 549.4 | 784.4 | 1557.3 | 1799.9 | 2497.1 | 3061.7 | 3186.7 | 3262.5 | 3319.3 | 3326.9 | 3326.9 |
| 27.5° | 492.6 | 704.8 | 1542.2 | 1807.4 | 2565.3 | 3076.8 | 3175.4 | 3228.4 | 3254.9 | 3270.1 | 3270.1 |
| 30° | 443.3 | 629.0 | 1504.3 | 1792.3 | 2595.6 | 3061.7 | 3141.2 | 3167.8 | 3194.3 | 3217.0 | 3228.4 |
| 32.5° | 405.4 | 557.0 | 1447.5 | 1762.0 | 2599.4 | 3023.8 | 3080.6 | 3095.8 | 3133.7 | 3186.7 | 3205.7 |
| 35° | 371.3 | 485.0 | 1383.0 | 1720.3 | 2576.6 | 2963.1 | 3001.1 | 3016.2 | 3092.0 | 3171.5 | 3198.1 |
| 37.5° | 337.3 | 432.0 | 1299.7 | 1648.3 | 2542.6 | 2891.1 | 2917.7 | 2944.2 | 3061.7 | 3156.4 | 3186.7 |
| 40° | 303.1 | 386.5 | 1201.2 | 1568.7 | 2489.5 | 2804.0 | 2826.7 | 2868.4 | 3023.8 | 3133.7 | 3164.0 |
| 42.5° | 276.6 | 348.7 | 1095.1 | 1485.3 | 2421.3 | 2705.5 | 2739.6 | 2800.2 | 2978.3 | 3095.8 | 3129.8 |
| 45° | 253.9 | 310.7 | 981.4 | 1371.7 | 2334.2 | 2603.2 | 2652.4 | 2735.8 | 2925.3 | 3038.9 | 3069.2 |
| 47.5° | 231.2 | 284.2 | 863.9 | 1254.3 | 2239.4 | 2500.9 | 2565.3 | 2660.0 | 2853.3 | 2963.1 | 2989.7 |
| 50° | 212.2 | 257.6 | 746.4 | 1129.2 | 2137.1 | 2391.0 | 2466.8 | 2565.3 | 2762.4 | 2864.7 | 2898.8 |
| 52.5° | 197.0 | 234.9 | 636.6 | 1004.2 | 2019.6 | 2277.3 | 2364.5 | 2466.8 | 2652.4 | 2751.0 | 2773.7 |
| 55° | 181.9 | 216.0 | 541.9 | 871.5 | 1898.4 | 2156.1 | 2250.8 | 2349.3 | 2531.2 | 2614.6 | 2629.7 |
| 57.5° | 174.3 | 200.9 | 462.3 | 746.4 | 1769.6 | 2019.6 | 2125.8 | 2216.7 | 2387.2 | 2451.6 | 2466.8 |
| 60° | 162.9 | 189.5 | 401.6 | 640.3 | 1629.3 | 1890.8 | 1981.8 | 2072.7 | 2216.7 | 2269.7 | 2281.1 |
| 62.5° | 151.5 | 181.9 | 356.2 | 538.0 | 1485.3 | 1739.3 | 1830.2 | 1913.5 | 2034.8 | 2072.7 | 2087.8 |
| 65° | 144.0 | 174.3 | 322.1 | 462.3 | 1337.6 | 1580.1 | 1671.0 | 1743.1 | 1841.5 | 1879.4 | 1887.0 |
| 67.5° | 136.4 | 166.7 | 295.6 | 397.9 | 1189.8 | 1420.9 | 1489.2 | 1557.3 | 1633.1 | 1671.0 | 1674.8 |
| 70° | 125.0 | 159.2 | 272.8 | 352.4 | 1038.2 | 1239.1 | 1296.0 | 1367.9 | 1428.6 | 1447.5 | 1458.9 |
| 72.5° | 117.5 | 147.8 | 257.6 | 318.3 | 882.9 | 1064.8 | 1117.9 | 1159.5 | 1212.6 | 1231.5 | 1231.5 |
| 75° | 106.1 | 132.6 | 242.5 | 284.2 | 723.7 | 871.5 | 917.0 | 958.7 | 1000.4 | 1007.9 | 996.5 |
| 77.5° | 94.7 | 117.5 | 208.4 | 238.7 | 564.6 | 689.7 | 727.5 | 750.3 | 784.4 | 792.0 | 795.8 |
| 80° | 79.5 | 102.3 | 162.9 | 185.7 | 409.3 | 507.7 | 534.3 | 553.2 | 583.5 | 583.5 | 591.1 |
| 82.5° | 60.6 | 79.5 | 117.5 | 132.6 | 276.6 | 348.7 | 371.3 | 382.7 | 401.6 | 401.6 | 401.6 |
| 85° | 37.9 | 49.2 | 75.8 | 87.2 | 166.7 | 212.2 | 227.3 | 231.2 | 246.3 | 250.1 | 250.1 |
| 87.5° | 18.9 | 26.5 | 49.2 | 53.1 | 87.2 | 109.8 | 109.8 | 117.5 | 117.5 | 113.7 | 109.8 |
| 90° | 12.0 | 21.5 | 31.0 | 33.4 | 52.5 | 77.9 | 90.6 | 80.6 | 60.4 | 45.3 | 45.3 |
| 92.5° | 47.7 | 128.8 | 209.9 | 230.2 | 323.7 | 448.3 | 510.6 | 447.5 | 321.3 | 226.7 | 217.7 |
| 95° | 114.5 | 263.0 | 411.5 | 448.6 | 796.4 | 1260.4 | 1492.3 | 1331.7 | 1010.4 | 769.4 | 742.0 |
| 97.5° | 198.0 | 329.0 | 459.9 | 492.7 | 1072.8 | 1846.3 | 2233.1 | 2131.6 | 1928.5 | 1776.2 | 1724.3 |
| 100° | 262.4 | 381.2 | 499.9 | 529.6 | 1173.4 | 2031.8 | 2461.0 | 2468.5 | 2483.3 | 2494.4 | 2432.5 |
| 102.5° | 317.3 | 428.1 | 538.9 | 566.6 | 1219.6 | 2090.2 | 2525.5 | 2654.8 | 2913.5 | 3107.6 | 3054.5 |
| 105° | 410.4 | 504.2 | 598.1 | 621.5 | 1253.8 | 2096.8 | 2518.3 | 2808.3 | 3388.4 | 3823.3 | 3794.8 |
| 107.5° | 505.8 | 593.3 | 680.8 | 702.7 | 1260.1 | 2003.4 | 2375.1 | 2779.7 | 3588.7 | 4195.5 | 4202.4 |
| 110° | 570.3 | 649.2 | 728.2 | 748.0 | 1250.5 | 1920.7 | 2255.8 | 2708.1 | 3612.5 | 4290.9 | 4320.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 633.4 | 708.8 | 784.0 | 802.8 | 1251.0 | 1848.5 | 2147.3 | 2610.2 | 3535.9 | 4230.1 | 4275.7 |
| 115° | 728.9 | 798.4 | 867.8 | 885.2 | 1262.5 | 1765.6 | 2017.3 | 2463.1 | 3354.9 | 4023.7 | 4086.9 |
| 117.5° | 823.1 | 886.2 | 949.3 | 965.1 | 1286.0 | 1713.8 | 1927.8 | 2330.2 | 3135.0 | 3738.6 | 3808.7 |
| 120° | 878.0 | 937.4 | 996.8 | 1011.6 | 1305.1 | 1696.4 | 1892.0 | 2259.7 | 2995.1 | 3546.6 | 3614.7 |
| 122.5° | 931.7 | 991.7 | 1051.5 | 1066.5 | 1332.6 | 1687.2 | 1864.6 | 2195.6 | 2857.9 | 3354.5 | 3421.7 |
| 125° | 1014.0 | 1068.6 | 1123.2 | 1136.9 | 1369.5 | 1679.7 | 1834.8 | 2116.0 | 2678.5 | 3100.4 | 3162.3 |
| 127.5° | 1080.8 | 1135.9 | 1191.1 | 1204.8 | 1406.5 | 1675.3 | 1809.7 | 2051.2 | 2534.2 | 2896.4 | 2948.6 |
| 130° | 1116.6 | 1176.0 | 1235.3 | 1250.2 | 1433.5 | 1678.0 | 1800.1 | 2015.2 | 2445.2 | 2767.6 | 2815.9 |
| 132.5° | 1153.6 | 1213.0 | 1272.3 | 1287.2 | 1455.3 | 1679.6 | 1791.7 | 1984.2 | 2369.2 | 2657.9 | 2701.1 |
| 135° | 1208.5 | 1262.5 | 1316.6 | 1330.1 | 1479.2 | 1678.1 | 1777.5 | 1938.7 | 2260.9 | 2502.7 | 2540.0 |
| 137.5° | 1264.5 | 1318.0 | 1371.6 | 1385.0 | 1515.0 | 1688.4 | 1775.1 | 1911.3 | 2183.9 | 2388.3 | 2418.8 |
| 140° | 1311.1 | 1360.4 | 1409.6 | 1422.0 | 1536.9 | 1690.1 | 1766.7 | 1884.4 | 2119.8 | 2296.4 | 2324.9 |
| 142.5° | 1346.8 | 1392.4 | 1438.0 | 1449.4 | 1555.1 | 1696.1 | 1766.7 | 1870.1 | 2076.9 | 2232.0 | 2256.4 |
| 145° | 1401.7 | 1441.5 | 1481.2 | 1491.2 | 1579.0 | 1696.2 | 1754.8 | 1839.3 | 2008.5 | 2135.3 | 2153.9 |
| 147.5° | 1456.6 | 1495.3 | 1534.0 | 1543.7 | 1614.0 | 1707.9 | 1754.8 | 1821.4 | 1954.4 | 2054.3 | 2069.6 |
| 150° | 1492.3 | 1527.3 | 1562.3 | 1571.1 | 1632.4 | 1714.0 | 1754.8 | 1811.0 | 1923.4 | 2007.7 | 2020.1 |
| 152.5° | 1529.3 | 1555.8 | 1582.4 | 1589.0 | 1644.2 | 1717.9 | 1754.8 | 1802.8 | 1898.7 | 1970.7 | 1980.1 |
| 155° | 1584.2 | 1603.8 | 1623.5 | 1628.4 | 1670.5 | 1726.7 | 1754.8 | 1793.0 | 1869.3 | 1926.5 | 1932.7 |
| 157.5° | 1624.7 | 1643.8 | 1663.0 | 1667.7 | 1696.8 | 1735.5 | 1754.8 | 1784.5 | 1843.8 | 1888.4 | 1892.8 |
| 160° | 1652.2 | 1667.1 | 1681.9 | 1685.6 | 1708.7 | 1739.4 | 1754.8 | 1780.3 | 1831.1 | 1869.3 | 1871.8 |
| 162.5° | 1679.6 | 1690.7 | 1701.9 | 1704.6 | 1721.4 | 1743.6 | 1754.8 | 1776.2 | 1819.2 | 1851.4 | 1853.8 |
| 165° | 1709.4 | 1719.5 | 1729.6 | 1732.1 | 1739.6 | 1749.8 | 1754.8 | 1770.2 | 1800.9 | 1824.0 | 1826.4 |
| 167.5° | 1736.9 | 1741.6 | 1746.4 | 1747.7 | 1754.0 | 1762.5 | 1766.7 | 1776.8 | 1797.0 | 1812.1 | 1813.1 |
| 170° | 1754.8 | 1759.6 | 1764.4 | 1765.5 | 1765.9 | 1766.4 | 1766.7 | 1776.8 | 1797.0 | 1812.1 | 1812.1 |
| 172.5° | 1764.3 | 1765.3 | 1766.4 | 1766.7 | 1766.7 | 1766.7 | 1766.7 | 1774.6 | 1790.6 | 1802.5 | 1801.6 |
| 175° | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1773.9 | 1769.1 | 1766.7 | 1771.8 | 1781.8 | 1789.3 | 1789.3 |
| 177.5° | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1774.7 | 1771.0 | 1769.1 | 1773.1 | 1781.0 | 1787.0 | 1785.9 |
| 180° | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1777.5 | 1777.5 |



TEST NUMBER: P937609

CATALOG NUMBER: SQ4-FB-100U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1178.5 | 1178.5 |
| 2.5° | 1258.0 | 1250.4 |
| 5° | 1618.0 | 1625.6 |
| 7.5° | 2178.8 | 2175.0 |
| 10° | 2709.3 | 2743.3 |
| 12.5° | 3095.8 | 3103.4 |
| 15° | 3330.7 | 3345.9 |
| 17.5° | 3421.6 | 3425.4 |
| 20° | 3425.4 | 3417.9 |
| 22.5° | 3383.8 | 3376.2 |
| 25° | 3334.5 | 3330.7 |
| 27.5° | 3289.0 | 3292.8 |
| 30° | 3270.1 | 3281.5 |
| 32.5° | 3270.1 | 3289.0 |
| 35° | 3277.6 | 3296.6 |
| 37.5° | 3273.8 | 3296.6 |
| 40° | 3258.7 | 3285.2 |
| 42.5° | 3217.0 | 3236.0 |
| 45° | 3152.6 | 3175.4 |
| 47.5° | 3069.2 | 3084.4 |
| 50° | 2963.1 | 2978.3 |
| 52.5° | 2830.5 | 2834.3 |
| 55° | 2671.4 | 2686.6 |
| 57.5° | 2500.9 | 2504.6 |
| 60° | 2311.4 | 2322.8 |
| 62.5° | 2110.6 | 2110.6 |
| 65° | 1898.4 | 1906.0 |
| 67.5° | 1678.6 | 1697.6 |
| 70° | 1455.0 | 1458.9 |
| 72.5° | 1235.2 | 1235.2 |
| 75° | 1007.9 | 1011.7 |
| 77.5° | 792.0 | 792.0 |
| 80° | 587.4 | 591.1 |
| 82.5° | 405.4 | 413.0 |
| 85° | 253.9 | 253.9 |
| 87.5° | 117.5 | 106.1 |
| 90° | 45.3 | 45.3 |
| 92.5° | 181.5 | 145.5 |
| 95° | 632.9 | 523.7 |
| 97.5° | 1516.5 | 1308.7 |
| 100° | 2184.9 | 1937.3 |
| 102.5° | 2842.5 | 2630.4 |
| 105° | 3680.8 | 3566.8 |
| 107.5° | 4230.0 | 4257.5 |
| 110° | 4439.4 | 4558.2 |



TEST NUMBER: P937609

CATALOG NUMBER: SQ4-FB-100U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 4458.1 | 4640.5 |
| 115° | 4339.9 | 4592.7 |
| 117.5° | 4089.2 | 4369.7 |
| 120° | 3887.2 | 4159.7 |
| 122.5° | 3690.4 | 3959.3 |
| 125° | 3409.9 | 3657.5 |
| 127.5° | 3157.6 | 3366.5 |
| 130° | 3008.8 | 3201.8 |
| 132.5° | 2873.9 | 3046.8 |
| 135° | 2688.9 | 2838.0 |
| 137.5° | 2540.7 | 2662.7 |
| 140° | 2438.9 | 2552.9 |
| 142.5° | 2354.5 | 2452.6 |
| 145° | 2228.1 | 2302.3 |
| 147.5° | 2131.1 | 2192.6 |
| 150° | 2070.0 | 2119.8 |
| 152.5° | 2017.7 | 2055.4 |
| 155° | 1957.7 | 1982.6 |
| 157.5° | 1910.3 | 1927.8 |
| 160° | 1881.9 | 1892.0 |
| 162.5° | 1863.3 | 1872.9 |
| 165° | 1836.6 | 1846.6 |
| 167.5° | 1817.4 | 1821.6 |
| 170° | 1812.1 | 1812.1 |
| 172.5° | 1797.9 | 1794.1 |
| 175° | 1789.3 | 1789.3 |
| 177.5° | 1781.7 | 1777.5 |
| 180° | 1777.5 | 1777.5 |



TEST NUMBER: P937609
 CATALOG NUMBER: SQ4-FB-100U-100D-830-1D-UNV-STD-W-12

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 | 4.95 | 5.79 | 5.95 | 6.81 | 8.16 | 18.14 | 18.98 | 19.14 | 20.00 | 21.35 |
| | 3H | 5.65 | 6.41 | 6.66 | 7.43 | 8.80 | 19.98 | 20.74 | 20.99 | 21.77 | 23.13 |
| | 4H | 5.95 | 6.67 | 6.97 | 7.70 | 9.07 | 20.63 | 21.35 | 21.65 | 22.38 | 23.75 |
| | 6H | 6.20 | 6.86 | 7.23 | 7.89 | 9.28 | 21.07 | 21.73 | 22.10 | 22.76 | 24.15 |
| | 8H | 6.27 | 6.90 | 7.30 | 7.95 | 9.33 | 21.19 | 21.82 | 22.23 | 22.87 | 24.25 |
| | 12H | 6.28 | 6.88 | 7.33 | 7.93 | 9.34 | 21.26 | 21.86 | 22.30 | 22.90 | 24.31 |
| 4H | 2H | 12.17 | 12.89 | 13.20 | 13.92 | 15.29 | 18.41 | 19.13 | 19.44 | 20.16 | 21.53 |
| | 3H | 13.74 | 14.34 | 14.77 | 15.39 | 16.78 | 20.46 | 21.06 | 21.50 | 22.12 | 23.51 |
| | 4H | 13.83 | 14.38 | 14.87 | 15.43 | 16.84 | 21.23 | 21.78 | 22.27 | 22.83 | 24.24 |
| | 6H | 13.84 | 14.31 | 14.89 | 15.38 | 16.79 | 21.77 | 22.25 | 22.83 | 23.32 | 24.73 |
| | 8H | 13.82 | 14.26 | 14.87 | 15.32 | 16.75 | 21.94 | 22.38 | 22.99 | 23.44 | 24.87 |
| | 12H | 13.77 | 14.17 | 14.84 | 15.25 | 16.68 | 22.03 | 22.44 | 23.11 | 23.51 | 24.94 |
| 8H | 4H | 15.28 | 15.72 | 16.33 | 16.78 | 18.21 | 21.29 | 21.73 | 22.34 | 22.80 | 24.22 |
| | 6H | 15.52 | 15.89 | 16.60 | 16.99 | 18.41 | 21.92 | 22.29 | 23.00 | 23.39 | 24.82 |
| | 8H | 15.54 | 15.86 | 16.62 | 16.95 | 18.39 | 22.15 | 22.47 | 23.23 | 23.56 | 25.00 |
| | 12H | 15.50 | 15.79 | 16.59 | 16.87 | 18.35 | 22.29 | 22.58 | 23.38 | 23.66 | 25.14 |
| 12H | 4H | 15.42 | 15.82 | 16.49 | 16.90 | 18.33 | 21.24 | 21.64 | 22.32 | 22.72 | 24.15 |
| | 6H | 15.78 | 16.10 | 16.86 | 17.19 | 18.63 | 21.91 | 22.23 | 22.99 | 23.32 | 24.76 |
| | 8H | 15.85 | 16.13 | 16.94 | 17.21 | 18.69 | 22.14 | 22.42 | 23.23 | 23.51 | 24.99 |