

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: P938101

Luminaire Tested: SQ4-FB-125U-100D-B40-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938101
REPORT IS A COMBINATION OF REPORTS P933591 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-100D-B40-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

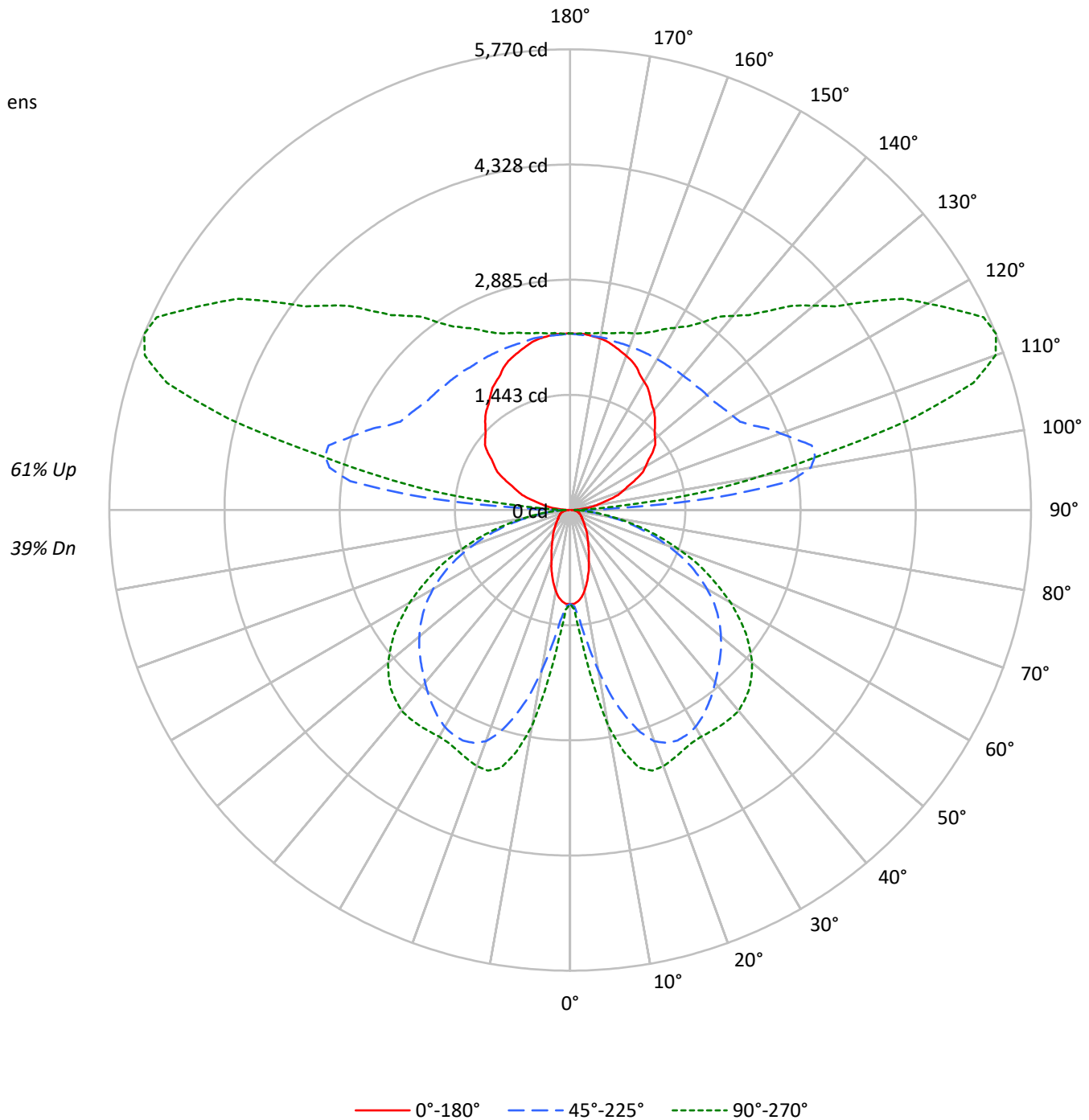
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23443.3 lumens
Efficiency: N/A
Efficacy: 121.3 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: Semi-Indirect

Input Watts (W): 193.2
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: P938101
CATALOG NUMBER: SQ4-FB-125U-100D-B40-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P938101

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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 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 | | | | 39 |
| 1 | 95 | 90 | 86 | 83 | 86 | 82 | 79 | 76 | 67 | 65 | 62 | 53 | 51 | 50 | 40 | 39 | 38 | 32 | | | | 32 |
| 2 | 86 | 78 | 72 | 67 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 43 | 41 | 35 | 33 | 31 | 26 | | | | 26 |
| 3 | 78 | 68 | 61 | 55 | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 40 | 37 | 34 | 30 | 28 | 26 | 21 | | | | 21 |
| 4 | 71 | 60 | 52 | 46 | 64 | 55 | 48 | 42 | 45 | 40 | 35 | 35 | 32 | 29 | 27 | 24 | 22 | 18 | | | | 18 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 41 | 36 | 40 | 34 | 30 | 31 | 27 | 24 | 24 | 21 | 19 | 15 | | | | 15 |
| 6 | 60 | 47 | 39 | 33 | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 | | | | 13 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 26 | 23 | 25 | 21 | 18 | 19 | 16 | 14 | 11 | | | | 11 |
| 8 | 51 | 38 | 31 | 25 | 46 | 35 | 28 | 23 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 10 | | | | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 | | | | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 19 | 15 | 13 | 15 | 12 | 10 | 8 | | | | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|-------|
| 0° | 3641 | 3641 | 3641 |
| 5° | 3559 | 4210 | 4894 |
| 10° | 3229 | 6138 | 8114 |
| 15° | 2745 | 8021 | 9798 |
| 20° | 2236 | 9297 | 9985 |
| 25° | 1866 | 9731 | 9782 |
| 30° | 1574 | 9795 | 9764 |
| 35° | 1392 | 9635 | 10016 |
| 40° | 1214 | 9426 | 10277 |
| 45° | 1100 | 9274 | 10317 |
| 50° | 1010 | 9138 | 10147 |
| 55° | 968 | 8938 | 9697 |
| 60° | 992 | 8549 | 8987 |
| 65° | 1034 | 7956 | 8011 |
| 70° | 1104 | 6944 | 6768 |
| 75° | 1229 | 5666 | 5282 |
| 80° | 1352 | 3934 | 3559 |
| 85° | 1225 | 2091 | 1821 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10317 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 152.3 | 0.6 |
| 10°-20° | 674.9 | 2.9 |
| 20°-30° | 1180.5 | 5.0 |
| 30°-40° | 1519.6 | 6.5 |
| 40°-50° | 1697.4 | 7.2 |
| 50°-60° | 1625.7 | 6.9 |
| 60°-70° | 1288.4 | 5.5 |
| 70°-80° | 757.6 | 3.2 |
| 80°-90° | 218.9 | 0.9 |
| 90°-100° | 1077.4 | 4.6 |
| 100°-110° | 2832.5 | 12.1 |
| 110°-120° | 2937.0 | 12.5 |
| 120°-130° | 2355.8 | 10.0 |
| 130°-140° | 1848.5 | 7.9 |
| 140°-150° | 1418.8 | 6.1 |
| 150°-160° | 1021.8 | 4.4 |
| 160°-170° | 625.2 | 2.7 |
| 170°-180° | 211.2 | 0.9 |
| 0°-30° | 2007.7 | 8.6 |
| 0°-40° | 3527.3 | 15.0 |
| 0°-60° | 6850.4 | 29.2 |
| 0°-90° | 9115.3 | 38.9 |
| 90°-120° | 6846.8 | 29.2 |
| 90°-150° | 12469.9 | 53.2 |
| 90°-180° | 14328.0 | 61.1 |
| 0°-180° | 23443.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1177 | 1177 | 1177 | 1177 | 1177 | |
| 5° | 1147 | 1230 | 1385 | 1567 | 1624 | 106 |
| 15° | 859 | 1586 | 2672 | 3240 | 3342 | 239 |
| 25° | 549 | 1798 | 3183 | 3323 | 3327 | 253 |
| 35° | 371 | 1718 | 2998 | 3168 | 3293 | 232 |
| 45° | 254 | 1370 | 2650 | 3036 | 3172 | 196 |
| 55° | 182 | 871 | 2248 | 2612 | 2684 | 166 |
| 65° | 144 | 462 | 1669 | 1877 | 1904 | 143 |
| 75° | 106 | 284 | 916 | 1007 | 1011 | 111 |
| 85° | 38 | 87 | 227 | 250 | 254 | 40 |
| 90° | 15 | 42 | 113 | 56 | 56 | 15 |
| 95° | 142 | 558 | 1856 | 957 | 651 | 158 |
| 105° | 510 | 773 | 3131 | 4754 | 4435 | 541 |
| 115° | 906 | 1101 | 2508 | 5003 | 5711 | 895 |
| 125° | 1261 | 1414 | 2281 | 3855 | 4548 | 1119 |
| 135° | 1503 | 1654 | 2210 | 3112 | 3529 | 1163 |
| 145° | 1743 | 1854 | 2182 | 2655 | 2863 | 1092 |
| 155° | 1970 | 2025 | 2182 | 2396 | 2465 | 905 |
| 165° | 2126 | 2154 | 2182 | 2268 | 2296 | 600 |
| 175° | 2210 | 2210 | 2197 | 2225 | 2225 | 210 |
| 180° | 2210 | 2210 | 2210 | 2210 | 2210 | |



TEST NUMBER: P938101
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CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 |
| 2.5° | 1177.2 | 1177.2 | 1184.8 | 1188.6 | 1196.1 | 1200.0 | 1207.5 | 1215.0 | 1237.8 | 1241.6 | 1249.1 |
| 5° | 1147.0 | 1162.0 | 1211.3 | 1230.2 | 1283.2 | 1355.1 | 1385.4 | 1434.6 | 1536.8 | 1567.1 | 1586.0 |
| 7.5° | 1101.5 | 1135.6 | 1256.7 | 1287.0 | 1419.4 | 1608.7 | 1688.2 | 1794.2 | 1957.0 | 2036.4 | 2100.8 |
| 10° | 1029.6 | 1101.5 | 1317.2 | 1389.1 | 1605.0 | 1892.6 | 2040.3 | 2187.9 | 2433.9 | 2543.6 | 2585.3 |
| 12.5° | 950.1 | 1067.4 | 1381.6 | 1480.1 | 1790.4 | 2210.5 | 2388.5 | 2551.3 | 2831.4 | 2979.0 | 3001.7 |
| 15° | 859.2 | 1018.2 | 1442.1 | 1586.0 | 1987.3 | 2475.6 | 2672.4 | 2873.0 | 3134.2 | 3240.1 | 3266.7 |
| 17.5° | 779.8 | 980.4 | 1499.0 | 1650.3 | 2138.6 | 2714.0 | 2914.7 | 3081.2 | 3293.1 | 3365.0 | 3384.0 |
| 20° | 681.3 | 919.9 | 1536.8 | 1733.6 | 2297.6 | 2888.1 | 3081.2 | 3209.9 | 3353.7 | 3399.1 | 3406.7 |
| 22.5° | 609.4 | 855.5 | 1559.5 | 1763.9 | 2403.6 | 2994.1 | 3156.8 | 3259.1 | 3357.5 | 3372.7 | 3376.4 |
| 25° | 548.8 | 783.6 | 1555.7 | 1798.0 | 2494.5 | 3058.5 | 3183.4 | 3259.1 | 3315.9 | 3323.4 | 3323.4 |
| 27.5° | 492.1 | 704.0 | 1540.6 | 1805.5 | 2562.6 | 3073.6 | 3172.0 | 3225.0 | 3251.5 | 3266.7 | 3266.7 |
| 30° | 442.8 | 628.4 | 1502.7 | 1790.4 | 2592.9 | 3058.5 | 3137.9 | 3164.5 | 3190.9 | 3213.7 | 3225.0 |
| 32.5° | 405.0 | 556.4 | 1446.0 | 1760.2 | 2596.6 | 3020.7 | 3077.4 | 3092.6 | 3130.4 | 3183.4 | 3202.3 |
| 35° | 370.9 | 484.5 | 1381.6 | 1718.5 | 2573.9 | 2960.0 | 2997.9 | 3013.0 | 3088.8 | 3168.2 | 3194.8 |
| 37.5° | 336.9 | 431.6 | 1298.3 | 1646.6 | 2539.9 | 2888.1 | 2914.7 | 2941.1 | 3058.5 | 3153.1 | 3183.4 |
| 40° | 302.8 | 386.1 | 1200.0 | 1567.1 | 2486.9 | 2801.1 | 2823.7 | 2865.4 | 3020.7 | 3130.4 | 3160.7 |
| 42.5° | 276.3 | 348.3 | 1094.0 | 1483.8 | 2418.7 | 2702.6 | 2736.7 | 2797.3 | 2975.2 | 3092.6 | 3126.6 |
| 45° | 253.6 | 310.4 | 980.4 | 1370.2 | 2331.7 | 2600.5 | 2649.6 | 2732.9 | 2922.2 | 3035.8 | 3066.0 |
| 47.5° | 230.9 | 283.9 | 863.0 | 1253.0 | 2237.1 | 2498.3 | 2562.6 | 2657.2 | 2850.3 | 2960.0 | 2986.6 |
| 50° | 212.0 | 257.4 | 745.7 | 1128.0 | 2134.9 | 2388.5 | 2464.2 | 2562.6 | 2759.5 | 2861.7 | 2895.8 |
| 52.5° | 196.8 | 234.6 | 635.9 | 1003.1 | 2017.5 | 2274.9 | 2362.0 | 2464.2 | 2649.6 | 2748.1 | 2770.8 |
| 55° | 181.7 | 215.7 | 541.3 | 870.6 | 1896.4 | 2153.8 | 2248.5 | 2346.8 | 2528.6 | 2611.8 | 2626.9 |
| 57.5° | 174.1 | 200.6 | 461.8 | 745.7 | 1767.7 | 2017.5 | 2123.5 | 2214.4 | 2384.7 | 2449.0 | 2464.2 |
| 60° | 162.7 | 189.3 | 401.2 | 639.7 | 1627.6 | 1888.8 | 1979.7 | 2070.5 | 2214.4 | 2267.4 | 2278.7 |
| 62.5° | 151.4 | 181.7 | 355.8 | 537.5 | 1483.8 | 1737.4 | 1828.3 | 1911.5 | 2032.7 | 2070.5 | 2085.6 |
| 65° | 143.8 | 174.1 | 321.7 | 461.8 | 1336.2 | 1578.4 | 1669.2 | 1741.3 | 1839.6 | 1877.4 | 1885.1 |
| 67.5° | 136.3 | 166.6 | 295.3 | 397.5 | 1188.6 | 1419.4 | 1487.6 | 1555.7 | 1631.4 | 1669.2 | 1673.1 |
| 70° | 124.9 | 159.0 | 272.6 | 352.0 | 1037.1 | 1237.8 | 1294.6 | 1366.5 | 1427.1 | 1446.0 | 1457.3 |
| 72.5° | 117.4 | 147.6 | 257.4 | 317.9 | 881.9 | 1063.7 | 1116.7 | 1158.3 | 1211.3 | 1230.2 | 1230.2 |
| 75° | 106.0 | 132.5 | 242.3 | 283.9 | 722.9 | 870.6 | 916.0 | 957.7 | 999.3 | 1006.9 | 995.5 |
| 77.5° | 94.6 | 117.4 | 208.2 | 238.5 | 564.0 | 688.9 | 726.8 | 749.5 | 783.6 | 791.1 | 794.9 |
| 80° | 79.5 | 102.2 | 162.7 | 185.5 | 408.8 | 507.2 | 533.7 | 552.7 | 582.9 | 582.9 | 590.5 |
| 82.5° | 60.5 | 79.5 | 117.4 | 132.5 | 276.3 | 348.3 | 370.9 | 382.3 | 401.2 | 401.2 | 401.2 |
| 85° | 37.8 | 49.2 | 75.7 | 87.1 | 166.6 | 212.0 | 227.1 | 230.9 | 246.0 | 249.8 | 249.8 |
| 87.5° | 18.9 | 26.5 | 49.2 | 53.0 | 87.1 | 109.7 | 109.7 | 117.4 | 117.4 | 113.5 | 109.7 |
| 90° | 14.8 | 26.6 | 38.6 | 41.5 | 65.2 | 96.8 | 112.7 | 100.2 | 75.2 | 56.3 | 56.3 |
| 92.5° | 59.3 | 160.2 | 261.1 | 286.3 | 402.5 | 557.4 | 634.9 | 556.4 | 399.5 | 281.8 | 270.6 |
| 95° | 142.4 | 327.0 | 511.6 | 557.7 | 990.3 | 1567.3 | 1855.7 | 1655.9 | 1256.4 | 956.8 | 922.8 |
| 97.5° | 246.2 | 409.0 | 571.9 | 612.6 | 1334.0 | 2295.9 | 2776.9 | 2650.6 | 2398.1 | 2208.7 | 2144.1 |
| 100° | 326.3 | 474.1 | 621.7 | 658.7 | 1459.1 | 2526.5 | 3060.2 | 3069.5 | 3087.9 | 3101.7 | 3024.8 |
| 102.5° | 394.6 | 532.4 | 670.1 | 704.6 | 1516.5 | 2599.0 | 3140.3 | 3301.1 | 3622.9 | 3864.2 | 3798.3 |
| 105° | 510.3 | 627.0 | 743.7 | 772.9 | 1559.0 | 2607.2 | 3131.3 | 3492.0 | 4213.3 | 4754.2 | 4718.8 |
| 107.5° | 629.0 | 737.7 | 846.5 | 873.7 | 1567.0 | 2491.3 | 2953.4 | 3456.4 | 4462.4 | 5217.0 | 5225.6 |
| 110° | 709.1 | 807.3 | 905.5 | 930.1 | 1555.0 | 2388.4 | 2805.0 | 3367.4 | 4492.1 | 5335.7 | 5372.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 787.7 | 881.3 | 974.9 | 998.3 | 1555.5 | 2298.6 | 2670.1 | 3245.7 | 4396.7 | 5260.0 | 5316.8 |
| 115° | 906.3 | 992.6 | 1079.1 | 1100.6 | 1569.9 | 2195.5 | 2508.4 | 3062.9 | 4171.7 | 5003.4 | 5082.0 |
| 117.5° | 1023.6 | 1102.0 | 1180.5 | 1200.1 | 1599.1 | 2131.1 | 2397.1 | 2897.6 | 3898.3 | 4648.8 | 4736.0 |
| 120° | 1091.8 | 1165.6 | 1239.5 | 1257.9 | 1622.8 | 2109.4 | 2352.6 | 2809.9 | 3724.3 | 4410.1 | 4494.8 |
| 122.5° | 1158.5 | 1233.0 | 1307.5 | 1326.1 | 1656.9 | 2098.0 | 2318.5 | 2730.2 | 3553.7 | 4171.2 | 4254.8 |
| 125° | 1260.9 | 1328.8 | 1396.7 | 1413.7 | 1703.0 | 2088.6 | 2281.4 | 2631.1 | 3330.7 | 3855.2 | 3932.2 |
| 127.5° | 1344.0 | 1412.5 | 1481.1 | 1498.2 | 1748.9 | 2083.1 | 2250.3 | 2550.5 | 3151.1 | 3601.6 | 3666.5 |
| 130° | 1388.5 | 1462.3 | 1536.1 | 1554.5 | 1782.5 | 2086.5 | 2238.4 | 2505.7 | 3040.4 | 3441.4 | 3501.4 |
| 132.5° | 1434.4 | 1508.2 | 1582.1 | 1600.6 | 1809.7 | 2088.6 | 2228.0 | 2467.3 | 2946.0 | 3305.0 | 3358.7 |
| 135° | 1502.7 | 1569.9 | 1637.2 | 1654.0 | 1839.4 | 2086.7 | 2210.3 | 2410.7 | 2811.5 | 3112.2 | 3158.5 |
| 137.5° | 1572.4 | 1639.0 | 1705.5 | 1722.2 | 1883.8 | 2099.5 | 2207.3 | 2376.7 | 2715.5 | 2969.7 | 3007.6 |
| 140° | 1630.2 | 1691.5 | 1752.8 | 1768.2 | 1911.1 | 2101.6 | 2196.9 | 2343.2 | 2635.9 | 2855.4 | 2890.9 |
| 142.5° | 1674.7 | 1731.4 | 1788.1 | 1802.3 | 1933.8 | 2109.2 | 2196.9 | 2325.4 | 2582.6 | 2775.4 | 2805.9 |
| 145° | 1743.0 | 1792.4 | 1841.9 | 1854.2 | 1963.5 | 2109.2 | 2182.1 | 2287.2 | 2497.5 | 2655.2 | 2678.3 |
| 147.5° | 1811.2 | 1859.3 | 1907.4 | 1919.5 | 2007.0 | 2123.7 | 2182.1 | 2264.8 | 2430.3 | 2554.3 | 2573.4 |
| 150° | 1855.7 | 1899.2 | 1942.8 | 1953.6 | 2029.8 | 2131.3 | 2182.1 | 2252.0 | 2391.7 | 2496.5 | 2511.9 |
| 152.5° | 1901.7 | 1934.6 | 1967.7 | 1975.9 | 2044.7 | 2136.2 | 2182.1 | 2241.8 | 2361.0 | 2450.5 | 2462.3 |
| 155° | 1969.9 | 1994.3 | 2018.7 | 2024.8 | 2077.2 | 2147.1 | 2182.1 | 2229.5 | 2324.5 | 2395.6 | 2403.4 |
| 157.5° | 2020.4 | 2044.1 | 2067.9 | 2073.8 | 2109.9 | 2158.0 | 2182.1 | 2218.9 | 2292.8 | 2348.2 | 2353.6 |
| 160° | 2054.5 | 2072.9 | 2091.4 | 2096.0 | 2124.7 | 2163.0 | 2182.1 | 2213.7 | 2277.0 | 2324.5 | 2327.6 |
| 162.5° | 2088.6 | 2102.4 | 2116.3 | 2119.7 | 2140.5 | 2168.2 | 2182.1 | 2208.8 | 2262.2 | 2302.2 | 2305.2 |
| 165° | 2125.6 | 2138.1 | 2150.7 | 2153.8 | 2163.3 | 2175.8 | 2182.1 | 2201.2 | 2239.4 | 2268.0 | 2271.2 |
| 167.5° | 2159.8 | 2165.7 | 2171.7 | 2173.1 | 2181.0 | 2191.6 | 2196.9 | 2209.4 | 2234.4 | 2253.2 | 2254.6 |
| 170° | 2182.1 | 2188.0 | 2193.9 | 2195.4 | 2195.8 | 2196.5 | 2196.9 | 2209.4 | 2234.4 | 2253.2 | 2253.2 |
| 172.5° | 2193.9 | 2195.3 | 2196.6 | 2196.9 | 2196.9 | 2196.9 | 2196.9 | 2206.8 | 2226.6 | 2241.4 | 2240.2 |
| 175° | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2205.8 | 2199.8 | 2196.9 | 2203.2 | 2215.7 | 2225.1 | 2225.1 |
| 177.5° | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2206.8 | 2202.1 | 2199.8 | 2204.8 | 2214.6 | 2222.1 | 2220.8 |
| 180° | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 | 2210.3 |



TEST NUMBER: P938101

CATALOG NUMBER: SQ4-FB-125U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1177.2 | 1177.2 |
| 2.5° | 1256.7 | 1249.1 |
| 5° | 1616.3 | 1623.9 |
| 7.5° | 2176.5 | 2172.7 |
| 10° | 2706.5 | 2740.5 |
| 12.5° | 3092.6 | 3100.1 |
| 15° | 3327.2 | 3342.4 |
| 17.5° | 3418.0 | 3421.9 |
| 20° | 3421.9 | 3414.3 |
| 22.5° | 3380.2 | 3372.7 |
| 25° | 3331.0 | 3327.2 |
| 27.5° | 3285.6 | 3289.4 |
| 30° | 3266.7 | 3278.0 |
| 32.5° | 3266.7 | 3285.6 |
| 35° | 3274.2 | 3293.1 |
| 37.5° | 3270.4 | 3293.1 |
| 40° | 3255.3 | 3281.8 |
| 42.5° | 3213.7 | 3232.6 |
| 45° | 3149.3 | 3172.0 |
| 47.5° | 3066.0 | 3081.2 |
| 50° | 2960.0 | 2975.2 |
| 52.5° | 2827.6 | 2831.4 |
| 55° | 2668.6 | 2683.7 |
| 57.5° | 2498.3 | 2502.0 |
| 60° | 2309.0 | 2320.4 |
| 62.5° | 2108.4 | 2108.4 |
| 65° | 1896.4 | 1904.0 |
| 67.5° | 1676.9 | 1695.8 |
| 70° | 1453.5 | 1457.3 |
| 72.5° | 1234.0 | 1234.0 |
| 75° | 1006.9 | 1010.7 |
| 77.5° | 791.1 | 791.1 |
| 80° | 586.8 | 590.5 |
| 82.5° | 405.0 | 412.6 |
| 85° | 253.6 | 253.6 |
| 87.5° | 117.4 | 106.0 |
| 90° | 56.3 | 56.3 |
| 92.5° | 225.8 | 181.0 |
| 95° | 787.0 | 651.2 |
| 97.5° | 1885.6 | 1627.2 |
| 100° | 2716.9 | 2409.0 |
| 102.5° | 3534.6 | 3270.9 |
| 105° | 4577.0 | 4435.3 |
| 107.5° | 5259.9 | 5294.1 |
| 110° | 5520.3 | 5667.9 |



TEST NUMBER: P938101

CATALOG NUMBER: SQ4-FB-125U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 5543.5 | 5770.3 |
| 115° | 5396.5 | 5711.0 |
| 117.5° | 5084.8 | 5433.6 |
| 120° | 4833.6 | 5172.5 |
| 122.5° | 4589.1 | 4923.3 |
| 125° | 4240.1 | 4548.0 |
| 127.5° | 3926.3 | 4186.1 |
| 130° | 3741.4 | 3981.4 |
| 132.5° | 3573.6 | 3788.5 |
| 135° | 3343.6 | 3528.9 |
| 137.5° | 3159.2 | 3310.9 |
| 140° | 3032.7 | 3174.4 |
| 142.5° | 2927.8 | 3049.8 |
| 145° | 2770.6 | 2862.9 |
| 147.5° | 2649.9 | 2726.4 |
| 150° | 2574.0 | 2636.0 |
| 152.5° | 2509.1 | 2555.9 |
| 155° | 2434.4 | 2465.3 |
| 157.5° | 2375.4 | 2397.1 |
| 160° | 2340.1 | 2352.6 |
| 162.5° | 2317.0 | 2328.9 |
| 165° | 2283.7 | 2296.3 |
| 167.5° | 2259.8 | 2265.1 |
| 170° | 2253.2 | 2253.2 |
| 172.5° | 2235.6 | 2231.0 |
| 175° | 2225.1 | 2225.1 |
| 177.5° | 2215.5 | 2210.3 |
| 180° | 2210.3 | 2210.3 |



TEST NUMBER: P938101
 CATALOG NUMBER: SQ4-FB-125U-100D-B40-1D-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 | 4.39 | 5.19 | 5.43 | 6.24 | 7.66 | 17.58 | 18.38 | 18.62 | 19.43 | 20.85 |
| | 3H | 5.09 | 5.81 | 6.14 | 6.87 | 8.30 | 19.42 | 20.14 | 20.47 | 21.20 | 22.63 |
| | 4H | 5.38 | 6.06 | 6.45 | 7.13 | 8.57 | 20.07 | 20.75 | 21.13 | 21.81 | 23.25 |
| | 6H | 5.63 | 6.26 | 6.70 | 7.32 | 8.78 | 20.50 | 21.12 | 21.57 | 22.19 | 23.65 |
| | 8H | 5.70 | 6.29 | 6.77 | 7.38 | 8.83 | 20.62 | 21.22 | 21.70 | 22.30 | 23.75 |
| | 12H | 5.71 | 6.28 | 6.79 | 7.36 | 8.83 | 20.69 | 21.26 | 21.77 | 22.33 | 23.81 |
| 4H | 2H | 11.60 | 12.28 | 12.67 | 13.35 | 14.79 | 17.85 | 18.53 | 18.92 | 19.59 | 21.03 |
| | 3H | 13.17 | 13.73 | 14.24 | 14.82 | 16.28 | 19.89 | 20.46 | 20.97 | 21.55 | 23.01 |
| | 4H | 13.26 | 13.78 | 14.34 | 14.86 | 16.34 | 20.66 | 21.18 | 21.74 | 22.26 | 23.74 |
| | 6H | 13.26 | 13.71 | 14.35 | 14.82 | 16.29 | 21.20 | 21.65 | 22.29 | 22.75 | 24.22 |
| | 8H | 13.24 | 13.66 | 14.33 | 14.75 | 16.24 | 21.36 | 21.78 | 22.45 | 22.88 | 24.37 |
| | 12H | 13.19 | 13.57 | 14.30 | 14.68 | 16.17 | 21.46 | 21.84 | 22.56 | 22.94 | 24.44 |
| 8H | 4H | 14.70 | 15.12 | 15.79 | 16.21 | 17.70 | 20.71 | 21.13 | 21.81 | 22.23 | 23.72 |
| | 6H | 14.94 | 15.29 | 16.05 | 16.42 | 17.91 | 21.34 | 21.69 | 22.46 | 22.83 | 24.31 |
| | 8H | 14.96 | 15.26 | 16.08 | 16.38 | 17.88 | 21.57 | 21.87 | 22.69 | 22.99 | 24.49 |
| | 12H | 14.92 | 15.19 | 16.05 | 16.30 | 17.85 | 21.71 | 21.98 | 22.84 | 23.09 | 24.64 |
| 12H | 4H | 14.84 | 15.22 | 15.95 | 16.33 | 17.82 | 20.66 | 21.04 | 21.77 | 22.15 | 23.65 |
| | 6H | 15.20 | 15.50 | 16.32 | 16.62 | 18.13 | 21.33 | 21.63 | 22.45 | 22.75 | 24.26 |
| | 8H | 15.26 | 15.53 | 16.39 | 16.65 | 18.19 | 21.56 | 21.82 | 22.68 | 22.94 | 24.48 |