

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: P937997

Luminaire Tested: SQ4-FB-125U-075D-B35-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937997
REPORT IS A COMBINATION OF REPORTS P933590 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-075D-B35-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

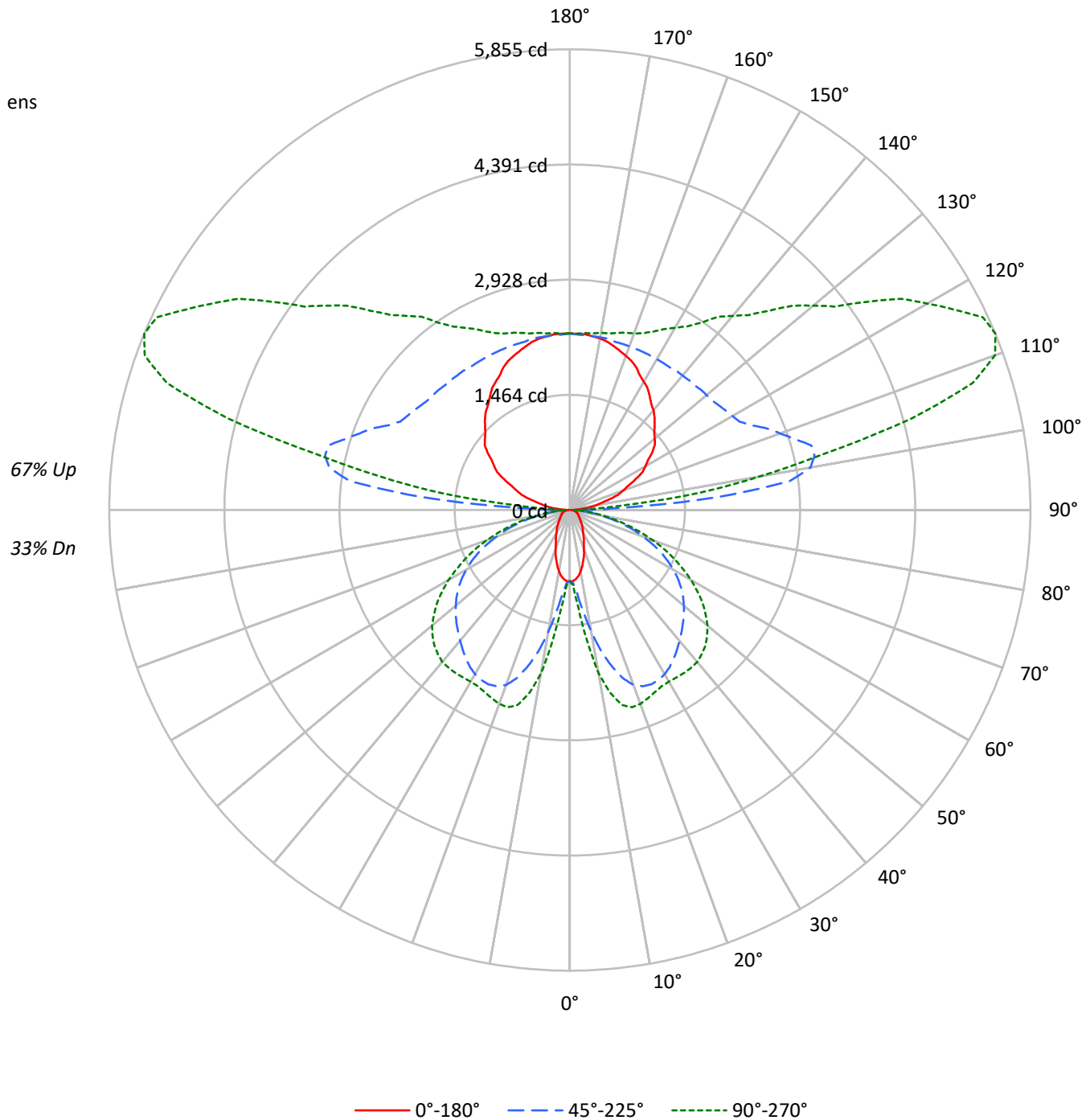
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21540.9 lumens
Efficiency: N/A
Efficacy: 129.1 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): 166.8
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: P937997
CATALOG NUMBER: SQ4-FB-125U-075D-B35-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P937997

CATALOG NUMBER: SQ4-FB-125U-075D-B35-1D-UNV-STD-W-12

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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 56 | 56 | 56 | 40 | 40 | 40 | 33 | | | | 33 |
| 1 | 94 | 89 | 85 | 82 | 84 | 80 | 77 | 74 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 | 27 | | | | 27 |
| 2 | 85 | 77 | 71 | 66 | 76 | 70 | 65 | 60 | 55 | 52 | 49 | 42 | 40 | 38 | 30 | 29 | 27 | 22 | | | | 22 |
| 3 | 77 | 68 | 60 | 54 | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 31 | 26 | 24 | 23 | 18 | | | | 18 |
| 4 | 70 | 59 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 29 | 26 | 23 | 21 | 19 | 15 | | | | 15 |
| 5 | 64 | 53 | 45 | 39 | 57 | 48 | 41 | 35 | 38 | 33 | 29 | 29 | 25 | 23 | 21 | 18 | 16 | 13 | | | | 13 |
| 6 | 59 | 47 | 39 | 33 | 53 | 42 | 35 | 30 | 34 | 29 | 25 | 26 | 22 | 19 | 19 | 16 | 14 | 11 | | | | 11 |
| 7 | 54 | 42 | 34 | 29 | 49 | 38 | 31 | 26 | 31 | 25 | 22 | 23 | 20 | 17 | 17 | 14 | 12 | 10 | | | | 10 |
| 8 | 50 | 38 | 30 | 25 | 45 | 34 | 28 | 23 | 28 | 23 | 19 | 21 | 18 | 15 | 15 | 13 | 11 | 8 | | | | 8 |
| 9 | 47 | 34 | 27 | 22 | 42 | 31 | 25 | 20 | 25 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 | 7 | | | | 7 |
| 10 | 43 | 31 | 24 | 19 | 39 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 14 | 12 | 13 | 10 | 9 | 7 | | | | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2796 | 2796 | 2796 |
| 5° | 2733 | 3233 | 3759 |
| 10° | 2480 | 4714 | 6232 |
| 15° | 2108 | 6160 | 7525 |
| 20° | 1717 | 7140 | 7669 |
| 25° | 1433 | 7474 | 7513 |
| 30° | 1209 | 7523 | 7499 |
| 35° | 1070 | 7400 | 7693 |
| 40° | 933 | 7240 | 7893 |
| 45° | 845 | 7123 | 7924 |
| 50° | 776 | 7018 | 7793 |
| 55° | 743 | 6864 | 7448 |
| 60° | 762 | 6566 | 6902 |
| 65° | 795 | 6111 | 6153 |
| 70° | 848 | 5332 | 5198 |
| 75° | 943 | 4352 | 4056 |
| 80° | 1038 | 3022 | 2733 |
| 85° | 943 | 1606 | 1399 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7924 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 117.0 | 0.5 |
| 10°-20° | 518.3 | 2.4 |
| 20°-30° | 906.6 | 4.2 |
| 30°-40° | 1167.1 | 5.4 |
| 40°-50° | 1303.6 | 6.1 |
| 50°-60° | 1248.6 | 5.8 |
| 60°-70° | 989.5 | 4.6 |
| 70°-80° | 581.8 | 2.7 |
| 80°-90° | 170.2 | 0.8 |
| 90°-100° | 1093.2 | 5.1 |
| 100°-110° | 2874.0 | 13.3 |
| 110°-120° | 2980.0 | 13.8 |
| 120°-130° | 2390.3 | 11.1 |
| 130°-140° | 1875.6 | 8.7 |
| 140°-150° | 1439.6 | 6.7 |
| 150°-160° | 1036.7 | 4.8 |
| 160°-170° | 634.3 | 2.9 |
| 170°-180° | 214.3 | 1.0 |
| 0°-30° | 1541.9 | 7.2 |
| 0°-40° | 2709.0 | 12.6 |
| 0°-60° | 5261.2 | 24.4 |
| 0°-90° | 7002.8 | 32.5 |
| 90°-120° | 6947.2 | 32.3 |
| 90°-150° | 12652.7 | 58.7 |
| 90°-180° | 14538.0 | 67.5 |
| 0°-180° | 21540.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 904 | 904 | 904 | 904 | 904 | |
| 5° | 881 | 945 | 1064 | 1204 | 1247 | 81 |
| 15° | 660 | 1218 | 2052 | 2488 | 2567 | 184 |
| 25° | 422 | 1381 | 2445 | 2552 | 2555 | 194 |
| 35° | 285 | 1320 | 2302 | 2433 | 2529 | 178 |
| 45° | 195 | 1052 | 2035 | 2332 | 2436 | 151 |
| 55° | 140 | 669 | 1727 | 2006 | 2061 | 127 |
| 65° | 110 | 355 | 1282 | 1442 | 1462 | 110 |
| 75° | 81 | 218 | 704 | 773 | 776 | 85 |
| 85° | 29 | 67 | 174 | 192 | 195 | 31 |
| 90° | 15 | 42 | 114 | 57 | 57 | 14 |
| 95° | 144 | 566 | 1883 | 971 | 661 | 160 |
| 105° | 518 | 784 | 3177 | 4824 | 4500 | 549 |
| 115° | 920 | 1117 | 2545 | 5077 | 5795 | 908 |
| 125° | 1279 | 1434 | 2315 | 3912 | 4615 | 1136 |
| 135° | 1525 | 1678 | 2243 | 3158 | 3581 | 1180 |
| 145° | 1768 | 1881 | 2214 | 2694 | 2905 | 1108 |
| 155° | 1999 | 2054 | 2214 | 2431 | 2502 | 918 |
| 165° | 2157 | 2185 | 2214 | 2301 | 2330 | 609 |
| 175° | 2243 | 2243 | 2229 | 2258 | 2258 | 213 |
| 180° | 2243 | 2243 | 2243 | 2243 | 2243 | |



TEST NUMBER: P937997

CATALOG NUMBER: SQ4-FB-125U-075D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 904.1 | 904.1 | 904.1 | 904.1 | 904.1 | 904.1 | 904.1 | 904.1 | 904.1 | 904.1 | 904.1 |
| 2.5° | 904.1 | 904.1 | 909.9 | 912.8 | 918.6 | 921.5 | 927.3 | 933.1 | 950.6 | 953.5 | 959.3 |
| 5° | 880.8 | 892.4 | 930.2 | 944.8 | 985.5 | 1040.7 | 1064.0 | 1101.8 | 1180.3 | 1203.6 | 1218.1 |
| 7.5° | 845.9 | 872.1 | 965.1 | 988.4 | 1090.1 | 1235.6 | 1296.6 | 1378.0 | 1503.0 | 1564.1 | 1613.5 |
| 10° | 790.7 | 845.9 | 1011.6 | 1066.9 | 1232.7 | 1453.6 | 1567.0 | 1680.3 | 1869.3 | 1953.6 | 1985.6 |
| 12.5° | 729.7 | 819.8 | 1061.1 | 1136.7 | 1375.1 | 1697.8 | 1834.4 | 1959.4 | 2174.5 | 2287.9 | 2305.3 |
| 15° | 659.9 | 782.0 | 1107.7 | 1218.1 | 1526.3 | 1901.3 | 2052.4 | 2206.5 | 2407.1 | 2488.5 | 2508.8 |
| 17.5° | 598.8 | 752.9 | 1151.3 | 1267.5 | 1642.6 | 2084.4 | 2238.5 | 2366.4 | 2529.2 | 2584.4 | 2599.0 |
| 20° | 523.3 | 706.4 | 1180.3 | 1331.5 | 1764.6 | 2218.1 | 2366.4 | 2465.2 | 2575.7 | 2610.6 | 2616.4 |
| 22.5° | 468.0 | 657.0 | 1197.8 | 1354.8 | 1846.0 | 2299.5 | 2424.5 | 2503.0 | 2578.6 | 2590.2 | 2593.1 |
| 25° | 421.5 | 601.7 | 1194.9 | 1380.9 | 1915.8 | 2349.0 | 2444.9 | 2503.0 | 2546.6 | 2552.4 | 2552.4 |
| 27.5° | 377.9 | 540.7 | 1183.2 | 1386.7 | 1968.1 | 2360.6 | 2436.2 | 2476.9 | 2497.2 | 2508.8 | 2508.8 |
| 30° | 340.1 | 482.6 | 1154.2 | 1375.1 | 1991.4 | 2349.0 | 2410.0 | 2430.3 | 2450.7 | 2468.1 | 2476.9 |
| 32.5° | 311.0 | 427.3 | 1110.6 | 1351.9 | 1994.3 | 2319.9 | 2363.5 | 2375.1 | 2404.2 | 2444.9 | 2459.4 |
| 35° | 284.9 | 372.1 | 1061.1 | 1319.9 | 1976.9 | 2273.4 | 2302.4 | 2314.1 | 2372.2 | 2433.3 | 2453.6 |
| 37.5° | 258.7 | 331.4 | 997.1 | 1264.6 | 1950.7 | 2218.1 | 2238.5 | 2258.8 | 2349.0 | 2421.6 | 2444.9 |
| 40° | 232.6 | 296.5 | 921.5 | 1203.6 | 1910.0 | 2151.3 | 2168.7 | 2200.7 | 2319.9 | 2404.2 | 2427.4 |
| 42.5° | 212.2 | 267.4 | 840.1 | 1139.6 | 1857.7 | 2075.7 | 2101.9 | 2148.4 | 2285.0 | 2375.1 | 2401.3 |
| 45° | 194.8 | 238.4 | 752.9 | 1052.3 | 1790.8 | 1997.2 | 2035.0 | 2099.0 | 2244.3 | 2331.5 | 2354.8 |
| 47.5° | 177.3 | 218.0 | 662.8 | 962.2 | 1718.1 | 1918.7 | 1968.1 | 2040.8 | 2189.1 | 2273.4 | 2293.7 |
| 50° | 162.8 | 197.7 | 572.7 | 866.3 | 1639.6 | 1834.4 | 1892.6 | 1968.1 | 2119.3 | 2197.8 | 2224.0 |
| 52.5° | 151.2 | 180.2 | 488.4 | 770.4 | 1549.5 | 1747.2 | 1814.1 | 1892.6 | 2035.0 | 2110.6 | 2128.0 |
| 55° | 139.5 | 165.7 | 415.7 | 668.6 | 1456.5 | 1654.2 | 1726.9 | 1802.4 | 1942.0 | 2005.9 | 2017.6 |
| 57.5° | 133.7 | 154.1 | 354.7 | 572.7 | 1357.7 | 1549.5 | 1630.9 | 1700.7 | 1831.5 | 1880.9 | 1892.6 |
| 60° | 125.0 | 145.4 | 308.1 | 491.3 | 1250.1 | 1450.7 | 1520.5 | 1590.2 | 1700.7 | 1741.4 | 1750.1 |
| 62.5° | 116.3 | 139.5 | 273.3 | 412.8 | 1139.6 | 1334.4 | 1404.2 | 1468.1 | 1561.2 | 1590.2 | 1601.9 |
| 65° | 110.5 | 133.7 | 247.1 | 354.7 | 1026.2 | 1212.3 | 1282.1 | 1337.3 | 1412.9 | 1442.0 | 1447.8 |
| 67.5° | 104.7 | 127.9 | 226.7 | 305.2 | 912.8 | 1090.1 | 1142.5 | 1194.9 | 1253.0 | 1282.1 | 1285.0 |
| 70° | 95.9 | 122.1 | 209.3 | 270.4 | 796.5 | 950.6 | 994.2 | 1049.4 | 1095.9 | 1110.6 | 1119.3 |
| 72.5° | 90.1 | 113.4 | 197.7 | 244.2 | 677.3 | 816.9 | 857.6 | 889.5 | 930.2 | 944.8 | 944.8 |
| 75° | 81.4 | 101.7 | 186.0 | 218.0 | 555.2 | 668.6 | 703.5 | 735.5 | 767.4 | 773.3 | 764.5 |
| 77.5° | 72.7 | 90.1 | 159.9 | 183.1 | 433.1 | 529.1 | 558.1 | 575.6 | 601.7 | 607.6 | 610.5 |
| 80° | 61.0 | 78.5 | 125.0 | 142.4 | 314.0 | 389.5 | 409.9 | 424.4 | 447.7 | 447.7 | 453.5 |
| 82.5° | 46.5 | 61.0 | 90.1 | 101.7 | 212.2 | 267.4 | 284.9 | 293.6 | 308.1 | 308.1 | 308.1 |
| 85° | 29.1 | 37.8 | 58.1 | 66.9 | 127.9 | 162.8 | 174.4 | 177.3 | 189.0 | 191.9 | 191.9 |
| 87.5° | 14.5 | 20.3 | 37.8 | 40.7 | 66.9 | 84.3 | 84.3 | 90.1 | 90.1 | 87.2 | 84.3 |
| 90° | 15.0 | 27.0 | 39.1 | 42.2 | 66.2 | 98.3 | 114.3 | 101.6 | 76.3 | 57.2 | 57.2 |
| 92.5° | 60.2 | 162.5 | 264.9 | 290.5 | 408.4 | 565.6 | 644.2 | 564.5 | 405.3 | 286.0 | 274.6 |
| 95° | 144.5 | 331.8 | 519.1 | 565.9 | 1004.9 | 1590.2 | 1882.9 | 1680.1 | 1274.8 | 970.8 | 936.3 |
| 97.5° | 249.8 | 415.0 | 580.3 | 621.6 | 1353.6 | 2329.6 | 2817.6 | 2689.5 | 2433.3 | 2241.1 | 2175.5 |
| 100° | 331.1 | 481.0 | 630.8 | 668.3 | 1480.5 | 2563.6 | 3105.1 | 3114.5 | 3133.2 | 3147.2 | 3069.1 |
| 102.5° | 400.4 | 540.2 | 679.9 | 714.9 | 1538.8 | 2637.1 | 3186.4 | 3349.5 | 3676.0 | 3920.9 | 3854.0 |
| 105° | 517.7 | 636.1 | 754.6 | 784.2 | 1581.9 | 2645.5 | 3177.3 | 3543.1 | 4275.0 | 4823.9 | 4787.9 |
| 107.5° | 638.2 | 748.6 | 858.9 | 886.5 | 1589.9 | 2527.8 | 2996.7 | 3507.1 | 4527.8 | 5293.5 | 5302.2 |
| 110° | 719.5 | 819.1 | 918.8 | 943.7 | 1577.8 | 2423.4 | 2846.1 | 3416.8 | 4558.0 | 5413.9 | 5451.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 799.2 | 894.2 | 989.2 | 1012.9 | 1578.3 | 2332.3 | 2709.2 | 3293.2 | 4461.2 | 5337.2 | 5394.7 |
| 115° | 919.6 | 1007.2 | 1094.9 | 1116.8 | 1592.9 | 2227.7 | 2545.2 | 3107.8 | 4232.9 | 5076.8 | 5156.5 |
| 117.5° | 1038.6 | 1118.1 | 1197.8 | 1217.6 | 1622.5 | 2162.3 | 2432.3 | 2940.0 | 3955.5 | 4717.0 | 4805.5 |
| 120° | 1107.8 | 1182.7 | 1257.7 | 1276.4 | 1646.6 | 2140.3 | 2387.1 | 2851.1 | 3778.9 | 4474.7 | 4560.7 |
| 122.5° | 1175.5 | 1251.1 | 1326.7 | 1345.6 | 1681.2 | 2128.8 | 2352.5 | 2770.3 | 3605.7 | 4232.4 | 4317.2 |
| 125° | 1279.4 | 1348.3 | 1417.2 | 1434.4 | 1727.9 | 2119.2 | 2314.8 | 2669.7 | 3379.5 | 3911.8 | 3989.9 |
| 127.5° | 1363.7 | 1433.2 | 1502.8 | 1520.2 | 1774.5 | 2113.7 | 2283.3 | 2587.9 | 3197.3 | 3654.4 | 3720.3 |
| 130° | 1408.8 | 1483.7 | 1558.6 | 1577.3 | 1808.6 | 2117.1 | 2271.2 | 2542.5 | 3085.0 | 3491.9 | 3552.7 |
| 132.5° | 1455.4 | 1530.3 | 1605.3 | 1624.0 | 1836.3 | 2119.2 | 2260.7 | 2503.5 | 2989.2 | 3353.4 | 3408.0 |
| 135° | 1524.7 | 1592.9 | 1661.2 | 1678.2 | 1866.4 | 2117.3 | 2242.7 | 2446.0 | 2852.7 | 3157.8 | 3204.8 |
| 137.5° | 1595.5 | 1663.0 | 1730.5 | 1747.4 | 1911.4 | 2130.2 | 2239.6 | 2411.6 | 2755.4 | 3013.2 | 3051.7 |
| 140° | 1654.1 | 1716.3 | 1778.5 | 1794.1 | 1939.1 | 2132.4 | 2229.1 | 2377.5 | 2674.5 | 2897.3 | 2933.3 |
| 142.5° | 1699.2 | 1756.8 | 1814.4 | 1828.7 | 1962.1 | 2140.1 | 2229.1 | 2359.5 | 2620.5 | 2816.1 | 2847.0 |
| 145° | 1768.5 | 1818.7 | 1868.9 | 1881.4 | 1992.3 | 2140.1 | 2214.1 | 2320.8 | 2534.1 | 2694.1 | 2717.6 |
| 147.5° | 1837.7 | 1886.5 | 1935.4 | 1947.6 | 2036.5 | 2154.9 | 2214.1 | 2298.0 | 2465.9 | 2591.8 | 2611.2 |
| 150° | 1882.9 | 1927.1 | 1971.2 | 1982.3 | 2059.5 | 2162.5 | 2214.1 | 2285.0 | 2426.8 | 2533.1 | 2548.8 |
| 152.5° | 1929.6 | 1963.0 | 1996.5 | 2004.9 | 2074.6 | 2167.6 | 2214.1 | 2274.6 | 2395.7 | 2486.5 | 2498.4 |
| 155° | 1998.8 | 2023.6 | 2048.3 | 2054.5 | 2107.7 | 2178.6 | 2214.1 | 2262.2 | 2358.5 | 2430.7 | 2438.6 |
| 157.5° | 2050.0 | 2074.0 | 2098.2 | 2104.2 | 2140.8 | 2189.6 | 2214.1 | 2251.5 | 2326.4 | 2382.6 | 2388.1 |
| 160° | 2084.6 | 2103.3 | 2122.1 | 2126.8 | 2155.8 | 2194.7 | 2214.1 | 2246.1 | 2310.4 | 2358.5 | 2361.7 |
| 162.5° | 2119.2 | 2133.3 | 2147.3 | 2150.8 | 2171.9 | 2200.0 | 2214.1 | 2241.2 | 2295.4 | 2336.0 | 2339.0 |
| 165° | 2156.8 | 2169.5 | 2182.2 | 2185.4 | 2195.0 | 2207.7 | 2214.1 | 2233.4 | 2272.2 | 2301.3 | 2304.5 |
| 167.5° | 2191.5 | 2197.5 | 2203.5 | 2205.0 | 2213.0 | 2223.8 | 2229.1 | 2241.8 | 2267.2 | 2286.3 | 2287.6 |
| 170° | 2214.1 | 2220.1 | 2226.1 | 2227.5 | 2228.0 | 2228.7 | 2229.1 | 2241.8 | 2267.2 | 2286.3 | 2286.3 |
| 172.5° | 2226.1 | 2227.4 | 2228.8 | 2229.1 | 2229.1 | 2229.1 | 2229.1 | 2239.2 | 2259.2 | 2274.2 | 2273.1 |
| 175° | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2238.1 | 2232.1 | 2229.1 | 2235.5 | 2248.2 | 2257.7 | 2257.7 |
| 177.5° | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2239.2 | 2234.4 | 2232.1 | 2237.1 | 2247.1 | 2254.7 | 2253.3 |
| 180° | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2242.7 | 2242.7 |



TEST NUMBER: P937997

CATALOG NUMBER: SQ4-FB-125U-075D-B35-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 904.1 | 904.1 |
| 2.5° | 965.1 | 959.3 |
| 5° | 1241.4 | 1247.2 |
| 7.5° | 1671.6 | 1668.7 |
| 10° | 2078.6 | 2104.8 |
| 12.5° | 2375.1 | 2380.9 |
| 15° | 2555.3 | 2567.0 |
| 17.5° | 2625.1 | 2628.0 |
| 20° | 2628.0 | 2622.2 |
| 22.5° | 2596.0 | 2590.2 |
| 25° | 2558.3 | 2555.3 |
| 27.5° | 2523.4 | 2526.3 |
| 30° | 2508.8 | 2517.6 |
| 32.5° | 2508.8 | 2523.4 |
| 35° | 2514.7 | 2529.2 |
| 37.5° | 2511.7 | 2529.2 |
| 40° | 2500.1 | 2520.5 |
| 42.5° | 2468.1 | 2482.7 |
| 45° | 2418.7 | 2436.2 |
| 47.5° | 2354.8 | 2366.4 |
| 50° | 2273.4 | 2285.0 |
| 52.5° | 2171.6 | 2174.5 |
| 55° | 2049.5 | 2061.2 |
| 57.5° | 1918.7 | 1921.6 |
| 60° | 1773.4 | 1782.1 |
| 62.5° | 1619.3 | 1619.3 |
| 65° | 1456.5 | 1462.3 |
| 67.5° | 1287.9 | 1302.4 |
| 70° | 1116.4 | 1119.3 |
| 72.5° | 947.7 | 947.7 |
| 75° | 773.3 | 776.2 |
| 77.5° | 607.6 | 607.6 |
| 80° | 450.6 | 453.5 |
| 82.5° | 311.0 | 316.9 |
| 85° | 194.8 | 194.8 |
| 87.5° | 90.1 | 81.4 |
| 90° | 57.2 | 57.2 |
| 92.5° | 229.1 | 183.6 |
| 95° | 798.6 | 660.8 |
| 97.5° | 1913.3 | 1651.1 |
| 100° | 2756.7 | 2444.3 |
| 102.5° | 3586.4 | 3318.8 |
| 105° | 4644.1 | 4500.3 |
| 107.5° | 5337.0 | 5371.7 |
| 110° | 5601.2 | 5751.0 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 5624.8 | 5854.9 |
| 115° | 5475.6 | 5794.7 |
| 117.5° | 5159.3 | 5513.2 |
| 120° | 4904.5 | 5248.3 |
| 122.5° | 4656.3 | 4995.5 |
| 125° | 4302.3 | 4614.7 |
| 127.5° | 3983.8 | 4247.4 |
| 130° | 3796.3 | 4039.8 |
| 132.5° | 3626.0 | 3844.0 |
| 135° | 3392.7 | 3580.6 |
| 137.5° | 3205.5 | 3359.4 |
| 140° | 3077.2 | 3221.0 |
| 142.5° | 2970.8 | 3094.5 |
| 145° | 2811.2 | 2904.9 |
| 147.5° | 2688.8 | 2766.4 |
| 150° | 2611.7 | 2674.6 |
| 152.5° | 2545.9 | 2593.3 |
| 155° | 2470.1 | 2501.5 |
| 157.5° | 2410.2 | 2432.3 |
| 160° | 2374.4 | 2387.1 |
| 162.5° | 2351.0 | 2363.0 |
| 165° | 2317.2 | 2330.0 |
| 167.5° | 2292.9 | 2298.3 |
| 170° | 2286.3 | 2286.3 |
| 172.5° | 2268.3 | 2263.7 |
| 175° | 2257.7 | 2257.7 |
| 177.5° | 2248.0 | 2242.7 |
| 180° | 2242.7 | 2242.7 |



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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 | 2.72 | 3.47 | 3.81 | 4.56 | 6.06 | 15.91 | 16.66 | 17.00 | 17.75 | 19.25 |
| | 3H | 3.42 | 4.09 | 4.51 | 5.19 | 6.70 | 17.75 | 18.42 | 18.85 | 19.52 | 21.03 |
| | 4H | 3.71 | 4.35 | 4.82 | 5.45 | 6.97 | 18.39 | 19.03 | 19.50 | 20.13 | 21.65 |
| | 6H | 3.95 | 4.54 | 5.07 | 5.64 | 7.18 | 18.82 | 19.41 | 19.94 | 20.51 | 22.04 |
| | 8H | 4.02 | 4.58 | 5.14 | 5.69 | 7.22 | 18.94 | 19.50 | 20.06 | 20.62 | 22.14 |
| | 12H | 4.03 | 4.56 | 5.16 | 5.67 | 7.22 | 19.01 | 19.54 | 20.13 | 20.65 | 22.20 |
| 4H | 2H | 9.93 | 10.57 | 11.04 | 11.67 | 13.19 | 16.17 | 16.81 | 17.29 | 17.91 | 19.43 |
| | 3H | 11.49 | 12.02 | 12.61 | 13.14 | 14.68 | 18.21 | 18.74 | 19.33 | 19.87 | 21.40 |
| | 4H | 11.58 | 12.06 | 12.70 | 13.18 | 14.73 | 18.98 | 19.47 | 20.10 | 20.58 | 22.14 |
| | 6H | 11.58 | 12.00 | 12.71 | 13.14 | 14.68 | 19.51 | 19.93 | 20.65 | 21.07 | 22.62 |
| | 8H | 11.55 | 11.94 | 12.68 | 13.08 | 14.64 | 19.68 | 20.07 | 20.81 | 21.20 | 22.76 |
| | 12H | 11.50 | 11.86 | 12.65 | 13.00 | 14.57 | 19.77 | 20.12 | 20.92 | 21.26 | 22.83 |
| 8H | 4H | 13.01 | 13.41 | 14.15 | 14.54 | 16.10 | 19.03 | 19.42 | 20.16 | 20.55 | 22.11 |
| | 6H | 13.25 | 13.57 | 14.40 | 14.75 | 16.31 | 19.66 | 19.98 | 20.81 | 21.15 | 22.71 |
| | 8H | 13.27 | 13.55 | 14.43 | 14.70 | 16.28 | 19.88 | 20.16 | 21.04 | 21.31 | 22.89 |
| | 12H | 13.23 | 13.48 | 14.39 | 14.63 | 16.24 | 20.02 | 20.27 | 21.18 | 21.42 | 23.03 |
| 12H | 4H | 13.15 | 13.51 | 14.30 | 14.65 | 16.22 | 18.97 | 19.33 | 20.12 | 20.47 | 22.04 |
| | 6H | 13.51 | 13.79 | 14.67 | 14.94 | 16.52 | 19.64 | 19.92 | 20.80 | 21.07 | 22.65 |
| | 8H | 13.57 | 13.82 | 14.74 | 14.97 | 16.58 | 19.86 | 20.11 | 21.03 | 21.26 | 22.88 |