

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: P938600

Luminaire Tested: SQ4-FB-150U-125D-B35-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938600
REPORT IS A COMBINATION OF REPORTS P933648 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-150U-125D-B35-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

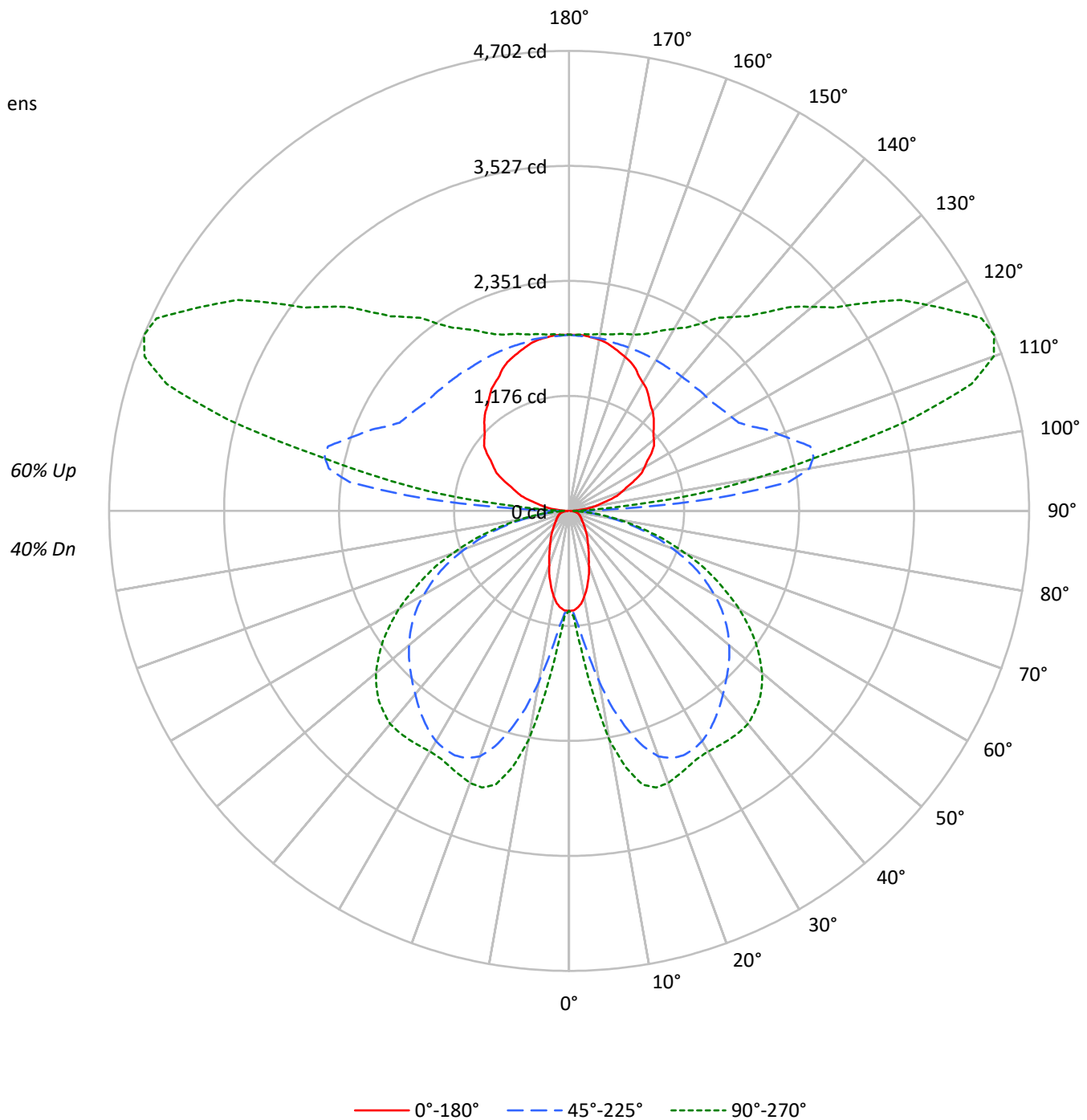
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19572.9 lumens
Efficiency: N/A
Efficacy: 117.6 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: General Diffuse

Input Watts (W): 166.4
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: P938600
CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P938600

CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-STD-W-8

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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 47 | 47 | 47 | 40 |
| 1 | 95 | 91 | 87 | 83 | 86 | 83 | 79 | 76 | 68 | 65 | 63 | 54 | 52 | 51 | 41 | 40 | 39 | 39 | 39 | 39 | 33 |
| 2 | 86 | 79 | 72 | 67 | 78 | 72 | 66 | 62 | 59 | 55 | 51 | 47 | 44 | 42 | 36 | 34 | 32 | 32 | 32 | 32 | 27 |
| 3 | 78 | 69 | 61 | 55 | 71 | 63 | 56 | 51 | 51 | 47 | 43 | 41 | 37 | 35 | 31 | 29 | 27 | 27 | 27 | 27 | 22 |
| 4 | 71 | 60 | 52 | 46 | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 23 | 23 | 23 | 23 | 19 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 42 | 36 | 40 | 35 | 30 | 32 | 28 | 25 | 24 | 22 | 19 | 19 | 19 | 19 | 16 |
| 6 | 60 | 48 | 39 | 34 | 54 | 44 | 36 | 31 | 36 | 30 | 26 | 29 | 25 | 21 | 22 | 19 | 17 | 17 | 17 | 17 | 14 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 15 | 15 | 15 | 12 |
| 8 | 51 | 39 | 31 | 25 | 46 | 35 | 28 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 13 | 13 | 13 | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 27 | 21 | 18 | 21 | 17 | 15 | 17 | 14 | 11 | 11 | 11 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 20 | 16 | 13 | 15 | 12 | 10 | 10 | 10 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4732 | 4732 | 4732 |
| 5° | 4623 | 5470 | 6361 |
| 10° | 4194 | 7973 | 10546 |
| 15° | 3564 | 10416 | 12734 |
| 20° | 2901 | 12071 | 12977 |
| 25° | 2421 | 12632 | 12714 |
| 30° | 2041 | 12711 | 12690 |
| 35° | 1805 | 12500 | 13018 |
| 40° | 1573 | 12226 | 13357 |
| 45° | 1424 | 12025 | 13409 |
| 50° | 1306 | 11844 | 13187 |
| 55° | 1252 | 11580 | 12603 |
| 60° | 1281 | 11071 | 11680 |
| 65° | 1332 | 10298 | 10412 |
| 70° | 1419 | 8981 | 8796 |
| 75° | 1574 | 7323 | 6864 |
| 80° | 1719 | 5078 | 4625 |
| 85° | 1528 | 2695 | 2368 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 13409 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 131.9 | 0.7 |
| 10°-20° | 584.8 | 3.0 |
| 20°-30° | 1022.8 | 5.2 |
| 30°-40° | 1316.7 | 6.7 |
| 40°-50° | 1470.7 | 7.5 |
| 50°-60° | 1408.6 | 7.2 |
| 60°-70° | 1116.3 | 5.7 |
| 70°-80° | 656.4 | 3.4 |
| 80°-90° | 189.2 | 1.0 |
| 90°-100° | 877.9 | 4.5 |
| 100°-110° | 2308.1 | 11.8 |
| 110°-120° | 2393.2 | 12.2 |
| 120°-130° | 1919.7 | 9.8 |
| 130°-140° | 1506.3 | 7.7 |
| 140°-150° | 1156.1 | 5.9 |
| 150°-160° | 832.6 | 4.3 |
| 160°-170° | 509.4 | 2.6 |
| 170°-180° | 172.1 | 0.9 |
| 0°-30° | 1739.5 | 8.9 |
| 0°-40° | 3056.2 | 15.6 |
| 0°-60° | 5935.5 | 30.3 |
| 0°-90° | 7897.5 | 40.3 |
| 90°-120° | 5579.2 | 28.5 |
| 90°-150° | 10161.3 | 51.9 |
| 90°-180° | 11675.0 | 59.6 |
| 0°-180° | 19572.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1020 | 1020 | 1020 | 1020 | 1020 | |
| 5° | 994 | 1066 | 1200 | 1358 | 1407 | 92 |
| 15° | 744 | 1374 | 2315 | 2807 | 2896 | 207 |
| 25° | 476 | 1558 | 2758 | 2880 | 2883 | 219 |
| 35° | 321 | 1489 | 2598 | 2745 | 2853 | 201 |
| 45° | 220 | 1187 | 2296 | 2630 | 2748 | 170 |
| 55° | 158 | 754 | 1948 | 2263 | 2325 | 143 |
| 65° | 125 | 400 | 1446 | 1627 | 1650 | 123 |
| 75° | 92 | 246 | 794 | 872 | 876 | 96 |
| 85° | 33 | 75 | 197 | 216 | 220 | 35 |
| 90° | 12 | 34 | 92 | 46 | 46 | 12 |
| 95° | 116 | 454 | 1512 | 780 | 531 | 129 |
| 105° | 416 | 630 | 2552 | 3874 | 3614 | 441 |
| 115° | 739 | 897 | 2044 | 4077 | 4654 | 729 |
| 125° | 1027 | 1152 | 1859 | 3142 | 3706 | 912 |
| 135° | 1224 | 1348 | 1801 | 2536 | 2876 | 947 |
| 145° | 1420 | 1511 | 1778 | 2164 | 2333 | 890 |
| 155° | 1605 | 1650 | 1778 | 1952 | 2009 | 738 |
| 165° | 1732 | 1755 | 1778 | 1848 | 1871 | 489 |
| 175° | 1801 | 1801 | 1790 | 1813 | 1813 | 171 |
| 180° | 1801 | 1801 | 1801 | 1801 | 1801 | |



TEST NUMBER: P938600
 CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 |
| 2.5° | 1020.0 | 1020.0 | 1026.6 | 1029.9 | 1036.3 | 1039.6 | 1046.2 | 1052.8 | 1072.5 | 1075.8 | 1082.3 |
| 5° | 993.7 | 1006.9 | 1049.5 | 1065.9 | 1111.8 | 1174.1 | 1200.4 | 1243.0 | 1331.5 | 1357.8 | 1374.1 |
| 7.5° | 954.4 | 983.9 | 1088.9 | 1115.1 | 1229.9 | 1393.9 | 1462.7 | 1554.6 | 1695.6 | 1764.5 | 1820.3 |
| 10° | 892.1 | 954.4 | 1141.3 | 1203.6 | 1390.6 | 1639.8 | 1767.7 | 1895.7 | 2108.8 | 2204.0 | 2240.0 |
| 12.5° | 823.2 | 924.9 | 1197.1 | 1282.4 | 1551.3 | 1915.3 | 2069.5 | 2210.5 | 2453.2 | 2581.1 | 2600.8 |
| 15° | 744.5 | 882.3 | 1249.5 | 1374.1 | 1721.8 | 2144.9 | 2315.4 | 2489.3 | 2715.6 | 2807.4 | 2830.4 |
| 17.5° | 675.6 | 849.4 | 1298.8 | 1430.0 | 1853.0 | 2351.6 | 2525.3 | 2669.7 | 2853.3 | 2915.6 | 2932.0 |
| 20° | 590.3 | 797.0 | 1331.5 | 1502.0 | 1990.8 | 2502.4 | 2669.7 | 2781.1 | 2905.8 | 2945.2 | 2951.7 |
| 22.5° | 528.0 | 741.2 | 1351.3 | 1528.3 | 2082.6 | 2594.2 | 2735.3 | 2823.8 | 2909.0 | 2922.2 | 2925.5 |
| 25° | 475.6 | 678.9 | 1348.0 | 1557.9 | 2161.4 | 2650.0 | 2758.3 | 2823.8 | 2873.0 | 2879.6 | 2879.6 |
| 27.5° | 426.4 | 610.0 | 1334.8 | 1564.5 | 2220.4 | 2663.1 | 2748.4 | 2794.3 | 2817.3 | 2830.4 | 2830.4 |
| 30° | 383.7 | 544.4 | 1302.0 | 1551.3 | 2246.6 | 2650.0 | 2718.8 | 2741.8 | 2764.8 | 2784.4 | 2794.3 |
| 32.5° | 351.0 | 482.1 | 1252.8 | 1525.0 | 2249.8 | 2617.2 | 2666.4 | 2679.5 | 2712.3 | 2758.3 | 2774.6 |
| 35° | 321.4 | 419.8 | 1197.1 | 1489.0 | 2230.2 | 2564.7 | 2597.5 | 2610.6 | 2676.2 | 2745.1 | 2768.0 |
| 37.5° | 291.9 | 373.8 | 1124.9 | 1426.7 | 2200.7 | 2502.4 | 2525.3 | 2548.3 | 2650.0 | 2732.0 | 2758.3 |
| 40° | 262.4 | 334.5 | 1039.6 | 1357.8 | 2154.8 | 2427.0 | 2446.6 | 2482.7 | 2617.2 | 2712.3 | 2738.5 |
| 42.5° | 239.4 | 301.7 | 947.9 | 1285.7 | 2095.8 | 2341.7 | 2371.2 | 2423.7 | 2577.8 | 2679.5 | 2709.0 |
| 45° | 219.8 | 268.9 | 849.4 | 1187.2 | 2020.3 | 2253.1 | 2295.8 | 2367.9 | 2531.9 | 2630.4 | 2656.5 |
| 47.5° | 200.1 | 245.9 | 747.8 | 1085.6 | 1938.3 | 2164.6 | 2220.4 | 2302.3 | 2469.6 | 2564.7 | 2587.7 |
| 50° | 183.6 | 223.1 | 646.1 | 977.3 | 1849.7 | 2069.5 | 2135.1 | 2220.4 | 2390.9 | 2479.5 | 2508.9 |
| 52.5° | 170.5 | 203.3 | 551.0 | 869.1 | 1748.1 | 1971.0 | 2046.5 | 2135.1 | 2295.8 | 2381.0 | 2400.7 |
| 55° | 157.5 | 186.9 | 469.0 | 754.4 | 1643.1 | 1866.1 | 1948.2 | 2033.4 | 2190.8 | 2263.0 | 2276.1 |
| 57.5° | 150.9 | 173.8 | 400.1 | 646.1 | 1531.6 | 1748.1 | 1839.9 | 1918.6 | 2066.2 | 2121.9 | 2135.1 |
| 60° | 141.0 | 164.0 | 347.7 | 554.3 | 1410.3 | 1636.5 | 1715.2 | 1794.0 | 1918.6 | 1964.6 | 1974.3 |
| 62.5° | 131.2 | 157.5 | 308.3 | 465.7 | 1285.7 | 1505.3 | 1584.1 | 1656.2 | 1761.2 | 1794.0 | 1807.1 |
| 65° | 124.6 | 150.9 | 278.8 | 400.1 | 1157.8 | 1367.6 | 1446.3 | 1508.6 | 1593.9 | 1626.8 | 1633.2 |
| 67.5° | 118.0 | 144.3 | 255.8 | 344.4 | 1029.9 | 1229.9 | 1288.9 | 1348.0 | 1413.6 | 1446.3 | 1449.6 |
| 70° | 108.2 | 137.8 | 236.1 | 305.0 | 898.7 | 1072.5 | 1121.6 | 1183.9 | 1236.4 | 1252.8 | 1262.7 |
| 72.5° | 101.6 | 127.9 | 223.1 | 275.5 | 764.2 | 921.6 | 967.5 | 1003.6 | 1049.5 | 1065.9 | 1065.9 |
| 75° | 91.9 | 114.8 | 209.9 | 245.9 | 626.5 | 754.4 | 793.7 | 829.8 | 865.8 | 872.4 | 862.6 |
| 77.5° | 82.0 | 101.6 | 180.4 | 206.6 | 488.7 | 596.9 | 629.7 | 649.4 | 678.9 | 685.5 | 688.8 |
| 80° | 68.9 | 88.6 | 141.0 | 160.7 | 354.2 | 439.4 | 462.4 | 478.9 | 505.0 | 505.0 | 511.6 |
| 82.5° | 52.5 | 68.9 | 101.6 | 114.8 | 239.4 | 301.7 | 321.4 | 331.2 | 347.7 | 347.7 | 347.7 |
| 85° | 32.8 | 42.6 | 65.6 | 75.4 | 144.3 | 183.6 | 196.8 | 200.1 | 213.2 | 216.5 | 216.5 |
| 87.5° | 16.4 | 23.0 | 42.6 | 45.9 | 75.4 | 95.2 | 95.2 | 101.6 | 101.6 | 98.4 | 95.2 |
| 90° | 12.1 | 21.8 | 31.4 | 33.8 | 53.2 | 79.0 | 91.9 | 81.7 | 61.2 | 45.9 | 45.9 |
| 92.5° | 48.4 | 130.5 | 212.8 | 233.3 | 328.0 | 454.3 | 517.3 | 453.4 | 325.6 | 229.7 | 220.5 |
| 95° | 116.1 | 266.5 | 416.9 | 454.5 | 807.0 | 1277.0 | 1512.1 | 1349.3 | 1023.8 | 779.7 | 751.9 |
| 97.5° | 200.7 | 333.3 | 466.1 | 499.2 | 1087.1 | 1870.9 | 2262.8 | 2159.9 | 1954.2 | 1799.8 | 1747.2 |
| 100° | 265.9 | 386.2 | 506.6 | 536.7 | 1189.1 | 2058.7 | 2493.6 | 2501.2 | 2516.2 | 2527.4 | 2464.7 |
| 102.5° | 321.5 | 433.8 | 546.0 | 574.1 | 1235.8 | 2117.8 | 2558.9 | 2690.0 | 2952.2 | 3148.8 | 3095.1 |
| 105° | 415.8 | 510.9 | 606.0 | 629.8 | 1270.4 | 2124.5 | 2551.7 | 2845.6 | 3433.3 | 3874.1 | 3845.2 |
| 107.5° | 512.5 | 601.2 | 689.7 | 711.9 | 1276.9 | 2030.1 | 2406.6 | 2816.5 | 3636.4 | 4251.2 | 4258.2 |
| 110° | 577.8 | 657.9 | 737.9 | 757.9 | 1267.2 | 1946.2 | 2285.8 | 2744.0 | 3660.5 | 4347.9 | 4377.9 |



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CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 641.9 | 718.1 | 794.4 | 813.5 | 1267.5 | 1873.0 | 2175.7 | 2644.7 | 3582.7 | 4286.2 | 4332.4 |
| 115° | 738.6 | 808.9 | 879.3 | 896.9 | 1279.3 | 1789.1 | 2044.0 | 2495.8 | 3399.3 | 4077.1 | 4141.1 |
| 117.5° | 834.0 | 898.0 | 961.9 | 977.9 | 1303.0 | 1736.5 | 1953.3 | 2361.1 | 3176.6 | 3788.2 | 3859.2 |
| 120° | 889.6 | 949.8 | 1010.0 | 1025.0 | 1322.4 | 1718.8 | 1917.1 | 2289.7 | 3034.8 | 3593.6 | 3662.6 |
| 122.5° | 944.0 | 1004.8 | 1065.4 | 1080.6 | 1350.2 | 1709.6 | 1889.3 | 2224.7 | 2895.8 | 3399.0 | 3467.1 |
| 125° | 1027.4 | 1082.8 | 1138.1 | 1151.9 | 1387.6 | 1701.9 | 1859.0 | 2144.0 | 2714.0 | 3141.5 | 3204.2 |
| 127.5° | 1095.2 | 1151.0 | 1206.9 | 1220.8 | 1425.1 | 1697.5 | 1833.6 | 2078.3 | 2567.8 | 2934.8 | 2987.7 |
| 130° | 1131.4 | 1191.6 | 1251.8 | 1266.8 | 1452.5 | 1700.1 | 1823.9 | 2041.8 | 2477.5 | 2804.3 | 2853.2 |
| 132.5° | 1168.9 | 1229.1 | 1289.3 | 1304.3 | 1474.7 | 1702.0 | 1815.5 | 2010.5 | 2400.5 | 2693.0 | 2736.8 |
| 135° | 1224.4 | 1279.3 | 1334.1 | 1347.8 | 1498.8 | 1700.3 | 1801.0 | 1964.4 | 2291.0 | 2536.0 | 2573.7 |
| 137.5° | 1281.3 | 1335.6 | 1389.7 | 1403.3 | 1535.1 | 1710.8 | 1798.7 | 1936.7 | 2212.8 | 2419.9 | 2450.8 |
| 140° | 1328.4 | 1378.4 | 1428.3 | 1440.8 | 1557.3 | 1712.5 | 1790.1 | 1909.4 | 2148.0 | 2326.9 | 2355.7 |
| 142.5° | 1364.6 | 1410.9 | 1457.1 | 1468.6 | 1575.8 | 1718.7 | 1790.1 | 1894.9 | 2104.4 | 2261.5 | 2286.4 |
| 145° | 1420.3 | 1460.6 | 1500.9 | 1511.0 | 1600.0 | 1718.7 | 1778.0 | 1863.7 | 2035.1 | 2163.7 | 2182.5 |
| 147.5° | 1475.9 | 1515.1 | 1554.4 | 1564.2 | 1635.5 | 1730.5 | 1778.0 | 1845.5 | 1980.2 | 2081.4 | 2097.0 |
| 150° | 1512.1 | 1547.6 | 1583.1 | 1591.9 | 1653.9 | 1736.6 | 1778.0 | 1835.0 | 1948.9 | 2034.3 | 2046.9 |
| 152.5° | 1549.6 | 1576.5 | 1603.4 | 1610.1 | 1666.1 | 1740.7 | 1778.0 | 1826.7 | 1923.9 | 1996.8 | 2006.3 |
| 155° | 1605.2 | 1625.1 | 1645.0 | 1649.9 | 1692.6 | 1749.5 | 1778.0 | 1816.7 | 1894.1 | 1952.1 | 1958.4 |
| 157.5° | 1646.3 | 1665.7 | 1685.0 | 1689.8 | 1719.2 | 1758.4 | 1778.0 | 1808.2 | 1868.3 | 1913.5 | 1917.9 |
| 160° | 1674.1 | 1689.2 | 1704.2 | 1708.0 | 1731.3 | 1762.4 | 1778.0 | 1803.8 | 1855.4 | 1894.1 | 1896.6 |
| 162.5° | 1702.0 | 1713.2 | 1724.5 | 1727.3 | 1744.2 | 1766.8 | 1778.0 | 1799.8 | 1843.3 | 1876.0 | 1878.4 |
| 165° | 1732.1 | 1742.3 | 1752.5 | 1755.1 | 1762.7 | 1772.9 | 1778.0 | 1793.6 | 1824.8 | 1848.2 | 1850.7 |
| 167.5° | 1759.9 | 1764.7 | 1769.6 | 1770.8 | 1777.2 | 1785.9 | 1790.1 | 1800.3 | 1820.8 | 1836.1 | 1837.1 |
| 170° | 1778.0 | 1782.9 | 1787.7 | 1789.0 | 1789.4 | 1789.8 | 1790.1 | 1800.3 | 1820.8 | 1836.1 | 1836.1 |
| 172.5° | 1787.7 | 1788.8 | 1789.8 | 1790.1 | 1790.1 | 1790.1 | 1790.1 | 1798.2 | 1814.3 | 1826.4 | 1825.4 |
| 175° | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1797.4 | 1792.6 | 1790.1 | 1795.3 | 1805.4 | 1813.1 | 1813.1 |
| 177.5° | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1798.2 | 1794.4 | 1792.6 | 1796.6 | 1804.7 | 1810.7 | 1809.6 |
| 180° | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |



TEST NUMBER: P938600

CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1020.0 | 1020.0 |
| 2.5° | 1088.9 | 1082.3 |
| 5° | 1400.4 | 1407.0 |
| 7.5° | 1885.8 | 1882.6 |
| 10° | 2345.0 | 2374.5 |
| 12.5° | 2679.5 | 2686.1 |
| 15° | 2882.9 | 2896.0 |
| 17.5° | 2961.6 | 2964.8 |
| 20° | 2964.8 | 2958.3 |
| 22.5° | 2928.8 | 2922.2 |
| 25° | 2886.2 | 2882.9 |
| 27.5° | 2846.7 | 2850.0 |
| 30° | 2830.4 | 2840.2 |
| 32.5° | 2830.4 | 2846.7 |
| 35° | 2836.9 | 2853.3 |
| 37.5° | 2833.6 | 2853.3 |
| 40° | 2820.6 | 2843.5 |
| 42.5° | 2784.4 | 2800.9 |
| 45° | 2728.7 | 2748.4 |
| 47.5° | 2656.5 | 2669.7 |
| 50° | 2564.7 | 2577.8 |
| 52.5° | 2449.9 | 2453.2 |
| 55° | 2312.1 | 2325.3 |
| 57.5° | 2164.6 | 2167.8 |
| 60° | 2000.6 | 2010.5 |
| 62.5° | 1826.8 | 1826.8 |
| 65° | 1643.1 | 1649.7 |
| 67.5° | 1452.9 | 1469.3 |
| 70° | 1259.4 | 1262.7 |
| 72.5° | 1069.2 | 1069.2 |
| 75° | 872.4 | 875.7 |
| 77.5° | 685.5 | 685.5 |
| 80° | 508.3 | 511.6 |
| 82.5° | 351.0 | 357.5 |
| 85° | 219.8 | 219.8 |
| 87.5° | 101.6 | 91.9 |
| 90° | 45.9 | 45.9 |
| 92.5° | 184.0 | 147.5 |
| 95° | 641.3 | 530.6 |
| 97.5° | 1536.5 | 1326.0 |
| 100° | 2213.9 | 1963.0 |
| 102.5° | 2880.2 | 2665.3 |
| 105° | 3729.7 | 3614.2 |
| 107.5° | 4286.1 | 4314.0 |
| 110° | 4498.3 | 4618.6 |



TEST NUMBER: P938600

CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 4517.2 | 4702.0 |
| 115° | 4397.4 | 4653.6 |
| 117.5° | 4143.4 | 4427.7 |
| 120° | 3938.8 | 4214.9 |
| 122.5° | 3739.5 | 4011.9 |
| 125° | 3455.2 | 3706.0 |
| 127.5° | 3199.4 | 3411.1 |
| 130° | 3048.8 | 3244.3 |
| 132.5° | 2911.9 | 3087.1 |
| 135° | 2724.6 | 2875.6 |
| 137.5° | 2574.3 | 2697.9 |
| 140° | 2471.2 | 2586.7 |
| 142.5° | 2385.8 | 2485.2 |
| 145° | 2257.7 | 2332.9 |
| 147.5° | 2159.3 | 2221.6 |
| 150° | 2097.5 | 2148.0 |
| 152.5° | 2044.5 | 2082.7 |
| 155° | 1983.7 | 2008.9 |
| 157.5° | 1935.6 | 1953.3 |
| 160° | 1906.9 | 1917.1 |
| 162.5° | 1888.0 | 1897.7 |
| 165° | 1861.0 | 1871.1 |
| 167.5° | 1841.5 | 1845.8 |
| 170° | 1836.1 | 1836.1 |
| 172.5° | 1821.7 | 1817.9 |
| 175° | 1813.1 | 1813.1 |
| 177.5° | 1805.2 | 1801.0 |
| 180° | 1801.0 | 1801.0 |



TEST NUMBER: P938600
 CATALOG NUMBER: SQ4-FB-150U-125D-B35-1D-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 | 5.45 | 6.26 | 6.48 | 7.30 | 8.70 | 18.63 | 19.44 | 19.66 | 20.48 | 21.88 |
| | 3H | 6.16 | 6.88 | 7.19 | 7.93 | 9.35 | 20.47 | 21.20 | 21.51 | 22.25 | 23.66 |
| | 4H | 6.45 | 7.14 | 7.50 | 8.19 | 9.62 | 21.11 | 21.80 | 22.16 | 22.85 | 24.28 |
| | 6H | 6.70 | 7.34 | 7.76 | 8.39 | 9.83 | 21.54 | 22.18 | 22.60 | 23.23 | 24.67 |
| | 8H | 6.77 | 7.37 | 7.83 | 8.44 | 9.88 | 21.66 | 22.26 | 22.72 | 23.34 | 24.77 |
| | 12H | 6.78 | 7.36 | 7.85 | 8.42 | 9.88 | 21.72 | 22.30 | 22.80 | 23.37 | 24.83 |
| 4H | 2H | 12.66 | 13.35 | 13.72 | 14.41 | 15.83 | 18.90 | 19.59 | 19.96 | 20.64 | 22.07 |
| | 3H | 14.23 | 14.80 | 15.29 | 15.88 | 17.32 | 20.94 | 21.52 | 22.01 | 22.60 | 24.04 |
| | 4H | 14.32 | 14.85 | 15.39 | 15.92 | 17.38 | 21.71 | 22.24 | 22.78 | 23.31 | 24.77 |
| | 6H | 14.33 | 14.78 | 15.41 | 15.88 | 17.33 | 22.24 | 22.70 | 23.32 | 23.79 | 25.25 |
| | 8H | 14.30 | 14.73 | 15.38 | 15.81 | 17.29 | 22.40 | 22.83 | 23.48 | 23.92 | 25.39 |
| | 12H | 14.26 | 14.64 | 15.36 | 15.74 | 17.22 | 22.49 | 22.88 | 23.59 | 23.98 | 25.46 |
| 8H | 4H | 15.76 | 16.18 | 16.84 | 17.27 | 18.74 | 21.76 | 22.19 | 22.84 | 23.27 | 24.75 |
| | 6H | 16.00 | 16.35 | 17.10 | 17.48 | 18.95 | 22.39 | 22.74 | 23.49 | 23.87 | 25.34 |
| | 8H | 16.02 | 16.33 | 17.13 | 17.44 | 18.92 | 22.61 | 22.92 | 23.72 | 24.03 | 25.52 |
| | 12H | 15.98 | 16.25 | 17.10 | 17.36 | 18.89 | 22.75 | 23.02 | 23.87 | 24.13 | 25.65 |
| 12H | 4H | 15.90 | 16.29 | 17.00 | 17.39 | 18.86 | 21.71 | 22.10 | 22.81 | 23.20 | 24.67 |
| | 6H | 16.26 | 16.57 | 17.37 | 17.68 | 19.16 | 22.37 | 22.68 | 23.48 | 23.79 | 25.28 |
| | 8H | 16.32 | 16.60 | 17.44 | 17.70 | 19.23 | 22.60 | 22.87 | 23.71 | 23.98 | 25.50 |