

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: P938569

Luminaire Tested: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938569
REPORT IS A COMBINATION OF REPORTS P933624 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

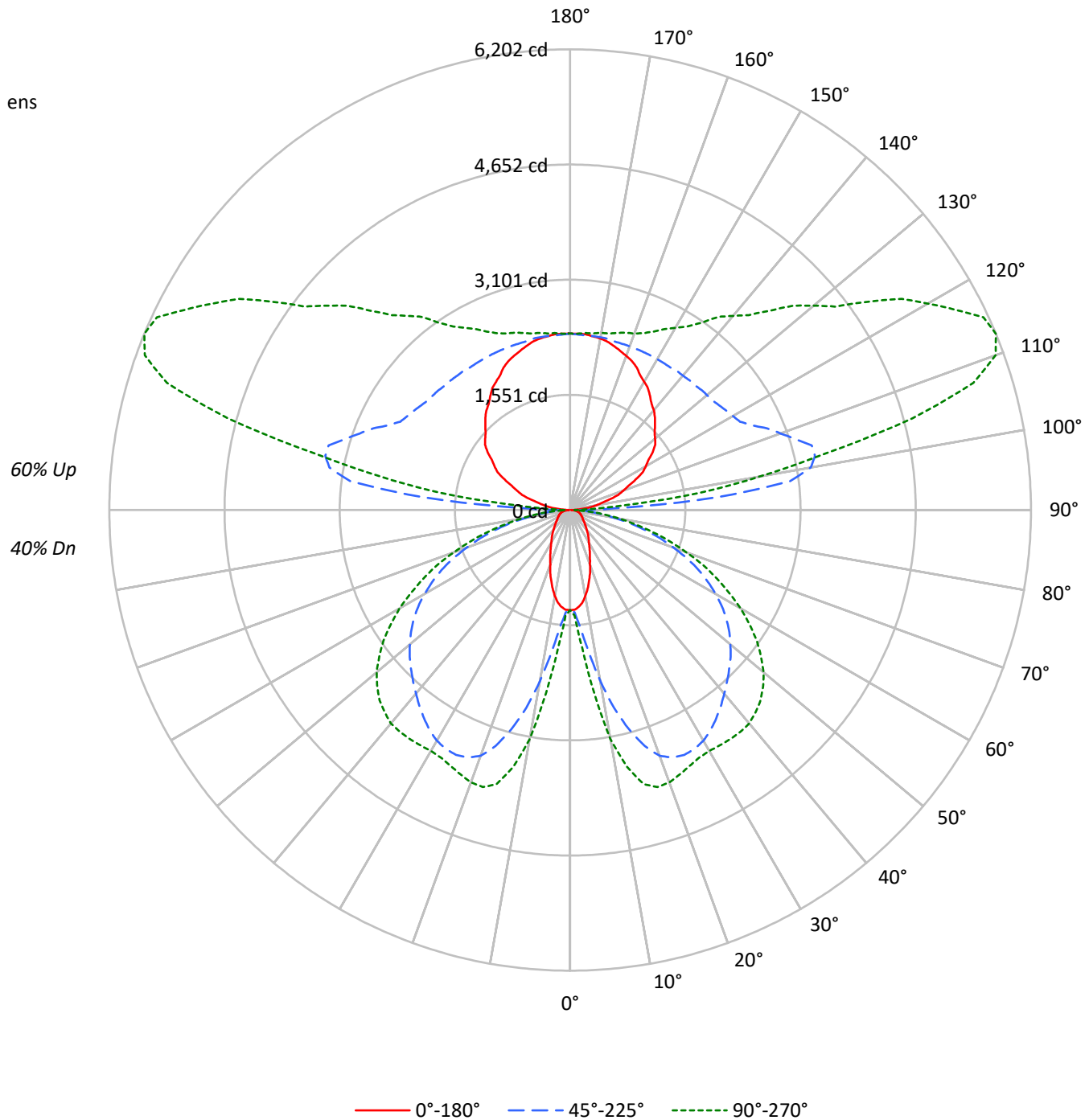
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25813.9 lumens
Efficiency: N/A
Efficacy: 103.4 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): 249.6
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: P938569
CATALOG NUMBER: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P938569

CATALOG NUMBER: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----|
| RF | 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 | | 0 |
| RCR | | | | | | | | | | | | | | | | | | | |
| 0 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | | 40 |
| 1 | 95 | 91 | 87 | 83 | 86 | 83 | 79 | 76 | 68 | 65 | 63 | 54 | 52 | 51 | 41 | 40 | 39 | | 33 |
| 2 | 86 | 79 | 72 | 67 | 78 | 72 | 66 | 62 | 59 | 55 | 51 | 47 | 44 | 42 | 36 | 34 | 32 | | 27 |
| 3 | 78 | 69 | 61 | 55 | 71 | 63 | 56 | 51 | 51 | 47 | 43 | 41 | 37 | 35 | 31 | 29 | 27 | | 22 |
| 4 | 71 | 60 | 52 | 46 | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 27 | 25 | 23 | | 19 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 42 | 36 | 40 | 35 | 30 | 32 | 28 | 25 | 24 | 22 | 19 | | 16 |
| 6 | 60 | 48 | 39 | 34 | 54 | 44 | 36 | 31 | 36 | 30 | 26 | 29 | 25 | 21 | 22 | 19 | 17 | | 14 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | | 12 |
| 8 | 51 | 39 | 31 | 25 | 46 | 35 | 28 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 27 | 21 | 18 | 21 | 17 | 15 | 17 | 14 | 11 | | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 20 | 16 | 13 | 15 | 12 | 10 | | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4161 | 4161 | 4161 |
| 5° | 4066 | 4810 | 5593 |
| 10° | 3690 | 7013 | 9272 |
| 15° | 3137 | 9165 | 11196 |
| 20° | 2555 | 10623 | 11410 |
| 25° | 2132 | 11120 | 11178 |
| 30° | 1799 | 11193 | 11157 |
| 35° | 1591 | 11010 | 11445 |
| 40° | 1387 | 10771 | 11744 |
| 45° | 1257 | 10598 | 11790 |
| 50° | 1154 | 10442 | 11595 |
| 55° | 1106 | 10213 | 11081 |
| 60° | 1134 | 9769 | 10269 |
| 65° | 1182 | 9092 | 9154 |
| 70° | 1262 | 7934 | 7733 |
| 75° | 1404 | 6475 | 6035 |
| 80° | 1544 | 4496 | 4067 |
| 85° | 1403 | 2389 | 2081 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 11790 cd/sqm



TEST NUMBER: P938569

CATALOG NUMBER: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 174.0 | 0.7 |
| 10°-20° | 771.2 | 3.0 |
| 20°-30° | 1348.9 | 5.2 |
| 30°-40° | 1736.5 | 6.7 |
| 40°-50° | 1939.6 | 7.5 |
| 50°-60° | 1857.7 | 7.2 |
| 60°-70° | 1472.2 | 5.7 |
| 70°-80° | 865.7 | 3.4 |
| 80°-90° | 249.6 | 1.0 |
| 90°-100° | 1157.9 | 4.5 |
| 100°-110° | 3044.1 | 11.8 |
| 110°-120° | 3156.4 | 12.2 |
| 120°-130° | 2531.8 | 9.8 |
| 130°-140° | 1986.6 | 7.7 |
| 140°-150° | 1524.8 | 5.9 |
| 150°-160° | 1098.1 | 4.3 |
| 160°-170° | 671.9 | 2.6 |
| 170°-180° | 227.0 | 0.9 |
| 0°-30° | 2294.1 | 8.9 |
| 0°-40° | 4030.6 | 15.6 |
| 0°-60° | 7827.9 | 30.3 |
| 0°-90° | 10415.4 | 40.3 |
| 90°-120° | 7358.3 | 28.5 |
| 90°-150° | 13401.5 | 51.9 |
| 90°-180° | 15398.0 | 59.7 |
| 0°-180° | 25813.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1345 | 1345 | 1345 | 1345 | 1345 | |
| 5° | 1310 | 1406 | 1583 | 1791 | 1856 | 121 |
| 15° | 982 | 1812 | 3054 | 3702 | 3819 | 273 |
| 25° | 627 | 2054 | 3638 | 3798 | 3802 | 289 |
| 35° | 424 | 1964 | 3426 | 3620 | 3763 | 265 |
| 45° | 290 | 1566 | 3028 | 3469 | 3625 | 224 |
| 55° | 208 | 995 | 2569 | 2984 | 3067 | 189 |
| 65° | 164 | 528 | 1908 | 2145 | 2176 | 163 |
| 75° | 121 | 324 | 1047 | 1150 | 1155 | 127 |
| 85° | 43 | 100 | 260 | 286 | 290 | 46 |
| 90° | 16 | 45 | 121 | 61 | 61 | 16 |
| 95° | 153 | 599 | 1994 | 1028 | 700 | 170 |
| 105° | 548 | 831 | 3365 | 5109 | 4767 | 581 |
| 115° | 974 | 1183 | 2696 | 5377 | 6138 | 962 |
| 125° | 1355 | 1519 | 2452 | 4143 | 4888 | 1203 |
| 135° | 1615 | 1778 | 2375 | 3345 | 3793 | 1249 |
| 145° | 1873 | 1993 | 2345 | 2854 | 3077 | 1174 |
| 155° | 2117 | 2176 | 2345 | 2575 | 2650 | 973 |
| 165° | 2284 | 2315 | 2345 | 2438 | 2468 | 645 |
| 175° | 2375 | 2375 | 2361 | 2391 | 2391 | 225 |
| 180° | 2375 | 2375 | 2375 | 2375 | 2375 | |



TEST NUMBER: P938569

CATALOG NUMBER: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 |
| 2.5° | 1345.2 | 1345.2 | 1353.8 | 1358.2 | 1366.8 | 1371.1 | 1379.8 | 1388.4 | 1414.4 | 1418.8 | 1427.4 |
| 5° | 1310.5 | 1327.8 | 1384.1 | 1405.7 | 1466.3 | 1548.5 | 1583.1 | 1639.3 | 1756.1 | 1790.7 | 1812.3 |
| 7.5° | 1258.7 | 1297.6 | 1436.0 | 1470.6 | 1622.0 | 1838.3 | 1929.1 | 2050.3 | 2236.2 | 2327.1 | 2400.6 |
| 10° | 1176.5 | 1258.7 | 1505.2 | 1587.4 | 1833.9 | 2162.6 | 2331.3 | 2500.0 | 2781.2 | 2906.6 | 2954.2 |
| 12.5° | 1085.7 | 1219.7 | 1578.8 | 1691.2 | 2045.9 | 2526.0 | 2729.3 | 2915.3 | 3235.4 | 3404.1 | 3430.0 |
| 15° | 981.8 | 1163.5 | 1647.9 | 1812.3 | 2270.8 | 2828.8 | 3053.7 | 3282.9 | 3581.4 | 3702.5 | 3732.8 |
| 17.5° | 891.0 | 1120.3 | 1712.9 | 1885.8 | 2443.8 | 3101.3 | 3330.6 | 3520.8 | 3763.0 | 3845.2 | 3866.9 |
| 20° | 778.6 | 1051.0 | 1756.1 | 1981.0 | 2625.5 | 3300.2 | 3520.8 | 3667.9 | 3832.3 | 3884.2 | 3892.8 |
| 22.5° | 696.3 | 977.5 | 1782.0 | 2015.6 | 2746.6 | 3421.4 | 3607.4 | 3724.1 | 3836.6 | 3853.9 | 3858.2 |
| 25° | 627.2 | 895.4 | 1777.7 | 2054.5 | 2850.4 | 3494.9 | 3637.6 | 3724.1 | 3789.0 | 3797.6 | 3797.6 |
| 27.5° | 562.3 | 804.5 | 1760.4 | 2063.2 | 2928.2 | 3512.2 | 3624.7 | 3685.2 | 3715.5 | 3732.8 | 3732.8 |
| 30° | 506.1 | 718.0 | 1717.1 | 2045.9 | 2962.8 | 3494.9 | 3585.7 | 3616.0 | 3646.3 | 3672.2 | 3685.2 |
| 32.5° | 462.8 | 635.8 | 1652.3 | 2011.3 | 2967.2 | 3451.6 | 3516.5 | 3533.8 | 3577.0 | 3637.6 | 3659.3 |
| 35° | 423.9 | 553.6 | 1578.8 | 1963.7 | 2941.3 | 3382.4 | 3425.6 | 3443.0 | 3529.5 | 3620.3 | 3650.6 |
| 37.5° | 384.9 | 493.1 | 1483.6 | 1881.6 | 2902.3 | 3300.2 | 3330.6 | 3360.8 | 3494.9 | 3603.0 | 3637.6 |
| 40° | 346.0 | 441.2 | 1371.1 | 1790.7 | 2841.8 | 3200.8 | 3226.7 | 3274.3 | 3451.6 | 3577.0 | 3611.6 |
| 42.5° | 315.8 | 398.0 | 1250.1 | 1695.6 | 2763.9 | 3088.3 | 3127.3 | 3196.4 | 3399.7 | 3533.8 | 3572.8 |
| 45° | 289.8 | 354.7 | 1120.3 | 1565.8 | 2664.4 | 2971.5 | 3027.8 | 3122.9 | 3339.2 | 3468.9 | 3503.5 |
| 47.5° | 263.9 | 324.4 | 986.2 | 1431.7 | 2556.3 | 2854.7 | 2928.2 | 3036.4 | 3257.0 | 3382.4 | 3412.7 |
| 50° | 242.2 | 294.1 | 852.1 | 1289.0 | 2439.5 | 2729.3 | 2815.8 | 2928.2 | 3153.2 | 3270.0 | 3308.9 |
| 52.5° | 224.9 | 268.2 | 726.7 | 1146.2 | 2305.4 | 2599.5 | 2699.1 | 2815.8 | 3027.8 | 3140.2 | 3166.1 |
| 55° | 207.6 | 246.6 | 618.6 | 994.8 | 2167.0 | 2461.1 | 2569.3 | 2681.8 | 2889.3 | 2984.5 | 3001.8 |
| 57.5° | 198.9 | 229.3 | 527.7 | 852.1 | 2019.9 | 2305.4 | 2426.5 | 2530.4 | 2725.0 | 2798.5 | 2815.8 |
| 60° | 186.0 | 216.2 | 458.5 | 731.0 | 1859.9 | 2158.4 | 2262.1 | 2366.0 | 2530.4 | 2590.8 | 2603.9 |
| 62.5° | 173.0 | 207.6 | 406.6 | 614.2 | 1695.6 | 1985.3 | 2089.1 | 2184.3 | 2322.7 | 2366.0 | 2383.3 |
| 65° | 164.4 | 198.9 | 367.6 | 527.7 | 1526.9 | 1803.7 | 1907.5 | 1989.7 | 2102.1 | 2145.3 | 2154.0 |
| 67.5° | 155.7 | 190.3 | 337.4 | 454.2 | 1358.2 | 1622.0 | 1699.8 | 1777.7 | 1864.3 | 1907.5 | 1911.8 |
| 70° | 142.7 | 181.6 | 311.4 | 402.2 | 1185.1 | 1414.4 | 1479.2 | 1561.5 | 1630.6 | 1652.3 | 1665.2 |
| 72.5° | 134.1 | 168.7 | 294.1 | 363.3 | 1007.8 | 1215.5 | 1276.0 | 1323.6 | 1384.1 | 1405.7 | 1405.7 |
| 75° | 121.1 | 151.4 | 276.8 | 324.4 | 826.1 | 994.8 | 1046.8 | 1094.3 | 1141.9 | 1150.5 | 1137.6 |
| 77.5° | 108.1 | 134.1 | 237.9 | 272.5 | 644.5 | 787.2 | 830.4 | 856.4 | 895.4 | 904.0 | 908.3 |
| 80° | 90.8 | 116.8 | 186.0 | 212.0 | 467.2 | 579.6 | 609.9 | 631.5 | 666.1 | 666.1 | 674.8 |
| 82.5° | 69.2 | 90.8 | 134.1 | 151.4 | 315.8 | 398.0 | 423.9 | 436.8 | 458.5 | 458.5 | 458.5 |
| 85° | 43.3 | 56.2 | 86.5 | 99.5 | 190.3 | 242.2 | 259.5 | 263.9 | 281.2 | 285.5 | 285.5 |
| 87.5° | 21.6 | 30.2 | 56.2 | 60.6 | 99.5 | 125.4 | 125.4 | 134.1 | 134.1 | 129.8 | 125.4 |
| 90° | 15.9 | 28.7 | 41.5 | 44.6 | 70.1 | 104.1 | 121.2 | 107.7 | 80.8 | 60.6 | 60.6 |
| 92.5° | 63.7 | 172.1 | 280.6 | 307.7 | 432.6 | 599.0 | 682.3 | 597.9 | 429.3 | 302.9 | 290.9 |
| 95° | 153.0 | 351.4 | 549.8 | 599.4 | 1064.4 | 1684.4 | 1994.4 | 1779.7 | 1350.3 | 1028.3 | 991.8 |
| 97.5° | 264.6 | 439.6 | 614.6 | 658.4 | 1433.7 | 2467.5 | 2984.3 | 2848.7 | 2577.3 | 2373.8 | 2304.3 |
| 100° | 350.7 | 509.4 | 668.1 | 707.8 | 1568.2 | 2715.2 | 3288.8 | 3298.7 | 3318.5 | 3333.4 | 3250.7 |
| 102.5° | 424.0 | 572.1 | 720.2 | 757.3 | 1629.8 | 2793.2 | 3374.9 | 3547.8 | 3893.6 | 4152.9 | 4082.0 |
| 105° | 548.4 | 673.8 | 799.3 | 830.6 | 1675.5 | 2802.1 | 3365.3 | 3752.9 | 4528.0 | 5109.4 | 5071.3 |
| 107.5° | 676.0 | 792.9 | 909.8 | 939.0 | 1684.0 | 2677.3 | 3174.0 | 3714.6 | 4795.8 | 5606.8 | 5616.0 |
| 110° | 762.0 | 867.6 | 973.2 | 999.6 | 1671.3 | 2566.8 | 3014.6 | 3619.0 | 4827.8 | 5734.3 | 5774.0 |



TEST NUMBER: P938569

CATALOG NUMBER: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 846.5 | 947.2 | 1047.8 | 1072.9 | 1671.8 | 2470.3 | 2869.5 | 3488.1 | 4725.2 | 5653.0 | 5713.9 |
| 115° | 974.1 | 1066.9 | 1159.7 | 1182.9 | 1687.2 | 2359.6 | 2695.8 | 3291.7 | 4483.4 | 5377.2 | 5461.7 |
| 117.5° | 1100.0 | 1184.3 | 1268.6 | 1289.7 | 1718.5 | 2290.3 | 2576.2 | 3114.0 | 4189.5 | 4996.2 | 5089.9 |
| 120° | 1173.3 | 1252.7 | 1332.0 | 1351.9 | 1744.0 | 2266.9 | 2528.4 | 3019.7 | 4002.4 | 4739.5 | 4830.6 |
| 122.5° | 1245.0 | 1325.1 | 1405.2 | 1425.2 | 1780.8 | 2254.7 | 2491.8 | 2934.2 | 3819.2 | 4482.9 | 4572.7 |
| 125° | 1355.1 | 1428.0 | 1501.1 | 1519.3 | 1830.2 | 2244.7 | 2451.9 | 2827.8 | 3579.5 | 4143.3 | 4226.0 |
| 127.5° | 1444.3 | 1518.0 | 1591.7 | 1610.1 | 1879.5 | 2238.8 | 2418.4 | 2741.1 | 3386.6 | 3870.7 | 3940.5 |
| 130° | 1492.2 | 1571.5 | 1650.8 | 1670.7 | 1915.6 | 2242.3 | 2405.6 | 2692.9 | 3267.6 | 3698.5 | 3763.0 |
| 132.5° | 1541.6 | 1620.9 | 1700.3 | 1720.1 | 1944.9 | 2244.6 | 2394.5 | 2651.7 | 3166.1 | 3551.9 | 3609.7 |
| 135° | 1614.9 | 1687.1 | 1759.5 | 1777.5 | 1976.8 | 2242.5 | 2375.4 | 2590.8 | 3021.5 | 3344.6 | 3394.4 |
| 137.5° | 1689.9 | 1761.4 | 1833.0 | 1850.9 | 2024.6 | 2256.3 | 2372.1 | 2554.2 | 2918.4 | 3191.6 | 3232.3 |
| 140° | 1752.1 | 1817.9 | 1883.9 | 1900.3 | 2053.8 | 2258.6 | 2361.0 | 2518.3 | 2832.9 | 3068.8 | 3106.9 |
| 142.5° | 1799.8 | 1860.8 | 1921.7 | 1936.9 | 2078.3 | 2266.7 | 2361.0 | 2499.2 | 2775.5 | 2982.8 | 3015.6 |
| 145° | 1873.2 | 1926.4 | 1979.5 | 1992.7 | 2110.1 | 2266.7 | 2345.0 | 2458.0 | 2684.1 | 2853.6 | 2878.4 |
| 147.5° | 1946.5 | 1998.2 | 2049.9 | 2062.9 | 2156.9 | 2282.3 | 2345.0 | 2434.0 | 2611.8 | 2745.2 | 2765.8 |
| 150° | 1994.4 | 2041.1 | 2087.9 | 2099.6 | 2181.4 | 2290.5 | 2345.0 | 2420.2 | 2570.4 | 2683.0 | 2699.6 |
| 152.5° | 2043.8 | 2079.2 | 2114.6 | 2123.4 | 2197.3 | 2295.8 | 2345.0 | 2409.2 | 2537.4 | 2633.6 | 2646.2 |
| 155° | 2117.1 | 2143.4 | 2169.5 | 2176.1 | 2232.4 | 2307.5 | 2345.0 | 2396.1 | 2498.1 | 2574.7 | 2583.0 |
| 157.5° | 2171.3 | 2196.8 | 2222.3 | 2228.7 | 2267.4 | 2319.1 | 2345.0 | 2384.7 | 2464.1 | 2523.6 | 2529.5 |
| 160° | 2208.0 | 2227.8 | 2247.7 | 2252.6 | 2283.4 | 2324.5 | 2345.0 | 2379.0 | 2447.0 | 2498.1 | 2501.5 |
| 162.5° | 2244.6 | 2259.5 | 2274.3 | 2278.1 | 2300.4 | 2330.1 | 2345.0 | 2373.8 | 2431.2 | 2474.2 | 2477.4 |
| 165° | 2284.5 | 2297.9 | 2311.4 | 2314.8 | 2324.9 | 2338.3 | 2345.0 | 2365.6 | 2406.6 | 2437.5 | 2440.9 |
| 167.5° | 2321.2 | 2327.6 | 2333.9 | 2335.5 | 2344.0 | 2355.4 | 2361.0 | 2374.4 | 2401.4 | 2421.6 | 2423.0 |
| 170° | 2345.0 | 2351.4 | 2357.8 | 2359.4 | 2360.0 | 2360.6 | 2361.0 | 2374.4 | 2401.4 | 2421.6 | 2421.6 |
| 172.5° | 2357.8 | 2359.2 | 2360.6 | 2361.0 | 2361.0 | 2361.0 | 2361.0 | 2371.6 | 2392.9 | 2408.9 | 2407.6 |
| 175° | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2370.6 | 2364.2 | 2361.0 | 2367.7 | 2381.2 | 2391.3 | 2391.3 |
| 177.5° | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2371.6 | 2366.7 | 2364.2 | 2369.5 | 2380.1 | 2388.1 | 2386.6 |
| 180° | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2375.4 | 2375.4 |



TEST NUMBER: P938569

CATALOG NUMBER: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1345.2 | 1345.2 |
| 2.5° | 1436.0 | 1427.4 |
| 5° | 1847.0 | 1855.6 |
| 7.5° | 2487.1 | 2482.7 |
| 10° | 3092.6 | 3131.5 |
| 12.5° | 3533.8 | 3542.4 |
| 15° | 3802.0 | 3819.3 |
| 17.5° | 3905.8 | 3910.1 |
| 20° | 3910.1 | 3901.5 |
| 22.5° | 3862.5 | 3853.9 |
| 25° | 3806.3 | 3802.0 |
| 27.5° | 3754.4 | 3758.8 |
| 30° | 3732.8 | 3745.7 |
| 32.5° | 3732.8 | 3754.4 |
| 35° | 3741.4 | 3763.0 |
| 37.5° | 3737.1 | 3763.0 |
| 40° | 3719.8 | 3750.1 |
| 42.5° | 3672.2 | 3693.8 |
| 45° | 3598.7 | 3624.7 |
| 47.5° | 3503.5 | 3520.8 |
| 50° | 3382.4 | 3399.7 |
| 52.5° | 3231.0 | 3235.4 |
| 55° | 3049.4 | 3066.7 |
| 57.5° | 2854.7 | 2859.1 |
| 60° | 2638.5 | 2651.4 |
| 62.5° | 2409.2 | 2409.2 |
| 65° | 2167.0 | 2175.7 |
| 67.5° | 1916.1 | 1937.8 |
| 70° | 1661.0 | 1665.2 |
| 72.5° | 1410.1 | 1410.1 |
| 75° | 1150.5 | 1154.9 |
| 77.5° | 904.0 | 904.0 |
| 80° | 670.4 | 674.8 |
| 82.5° | 462.8 | 471.5 |
| 85° | 289.8 | 289.8 |
| 87.5° | 134.1 | 121.1 |
| 90° | 60.6 | 60.6 |
| 92.5° | 242.6 | 194.5 |
| 95° | 845.8 | 699.8 |
| 97.5° | 2026.6 | 1748.8 |
| 100° | 2919.9 | 2589.0 |
| 102.5° | 3798.6 | 3515.2 |
| 105° | 4919.0 | 4766.7 |
| 107.5° | 5652.8 | 5689.7 |
| 110° | 5932.7 | 6091.5 |



TEST NUMBER: P938569

CATALOG NUMBER: SQ4-FB-150U-125D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 5957.7 | 6201.5 |
| 115° | 5799.6 | 6137.6 |
| 117.5° | 5464.7 | 5839.5 |
| 120° | 5194.7 | 5559.0 |
| 122.5° | 4932.0 | 5291.2 |
| 125° | 4556.9 | 4887.8 |
| 127.5° | 4219.7 | 4498.8 |
| 130° | 4020.9 | 4278.8 |
| 132.5° | 3840.6 | 4071.5 |
| 135° | 3593.5 | 3792.6 |
| 137.5° | 3395.3 | 3558.2 |
| 140° | 3259.2 | 3411.6 |
| 142.5° | 3146.6 | 3277.6 |
| 145° | 2977.7 | 3076.8 |
| 147.5° | 2848.0 | 2930.1 |
| 150° | 2766.3 | 2832.9 |
| 152.5° | 2696.5 | 2746.8 |
| 155° | 2616.2 | 2649.5 |
| 157.5° | 2552.8 | 2576.2 |
| 160° | 2514.9 | 2528.4 |
| 162.5° | 2490.1 | 2502.9 |
| 165° | 2454.4 | 2467.8 |
| 167.5° | 2428.6 | 2434.3 |
| 170° | 2421.6 | 2421.6 |
| 172.5° | 2402.6 | 2397.7 |
| 175° | 2391.3 | 2391.3 |
| 177.5° | 2381.0 | 2375.4 |
| 180° | 2375.4 | 2375.4 |



TEST NUMBER: P938569
 CATALOG NUMBER: SQ4-FB-150U-125D-935-1D-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 | 5.01 | 5.82 | 6.04 | 6.86 | 8.26 | 18.20 | 19.01 | 19.23 | 20.05 | 21.45 |
| | 3H | 5.71 | 6.44 | 6.75 | 7.49 | 8.91 | 20.04 | 20.77 | 21.08 | 21.82 | 23.24 |
| | 4H | 6.01 | 6.70 | 7.06 | 7.75 | 9.18 | 20.69 | 21.38 | 21.74 | 22.43 | 23.86 |
| | 6H | 6.26 | 6.89 | 7.32 | 7.95 | 9.39 | 21.12 | 21.76 | 22.18 | 22.81 | 24.25 |
| | 8H | 6.32 | 6.93 | 7.39 | 8.00 | 9.43 | 21.24 | 21.85 | 22.31 | 22.92 | 24.36 |
| | 12H | 6.34 | 6.91 | 7.41 | 7.98 | 9.44 | 21.31 | 21.89 | 22.38 | 22.96 | 24.41 |
| 4H | 2H | 12.23 | 12.92 | 13.29 | 13.97 | 15.40 | 18.47 | 19.16 | 19.53 | 20.21 | 21.64 |
| | 3H | 13.79 | 14.37 | 14.86 | 15.45 | 16.89 | 20.52 | 21.09 | 21.58 | 22.17 | 23.61 |
| | 4H | 13.88 | 14.41 | 14.95 | 15.48 | 16.94 | 21.29 | 21.82 | 22.36 | 22.89 | 24.35 |
| | 6H | 13.89 | 14.35 | 14.97 | 15.44 | 16.90 | 21.83 | 22.28 | 22.91 | 23.38 | 24.83 |
| | 8H | 13.87 | 14.29 | 14.95 | 15.38 | 16.85 | 21.99 | 22.42 | 23.07 | 23.50 | 24.97 |
| | 12H | 13.82 | 14.21 | 14.92 | 15.31 | 16.78 | 22.08 | 22.47 | 23.18 | 23.57 | 25.05 |
| 8H | 4H | 15.33 | 15.75 | 16.41 | 16.84 | 18.31 | 21.34 | 21.77 | 22.42 | 22.85 | 24.32 |
| | 6H | 15.57 | 15.92 | 16.67 | 17.05 | 18.52 | 21.97 | 22.33 | 23.08 | 23.45 | 24.92 |
| | 8H | 15.58 | 15.89 | 16.70 | 17.00 | 18.49 | 22.19 | 22.50 | 23.31 | 23.61 | 25.10 |
| | 12H | 15.55 | 15.82 | 16.67 | 16.93 | 18.45 | 22.34 | 22.61 | 23.45 | 23.72 | 25.24 |
| 12H | 4H | 15.47 | 15.86 | 16.57 | 16.95 | 18.43 | 21.29 | 21.68 | 22.39 | 22.78 | 24.25 |
| | 6H | 15.83 | 16.14 | 16.94 | 17.25 | 18.73 | 21.95 | 22.26 | 23.07 | 23.37 | 24.86 |
| | 8H | 15.89 | 16.17 | 17.01 | 17.27 | 18.80 | 22.18 | 22.46 | 23.30 | 23.56 | 25.09 |