

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: P938576

Luminaire Tested: SQ4-FB-150U-125D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938576
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-940-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

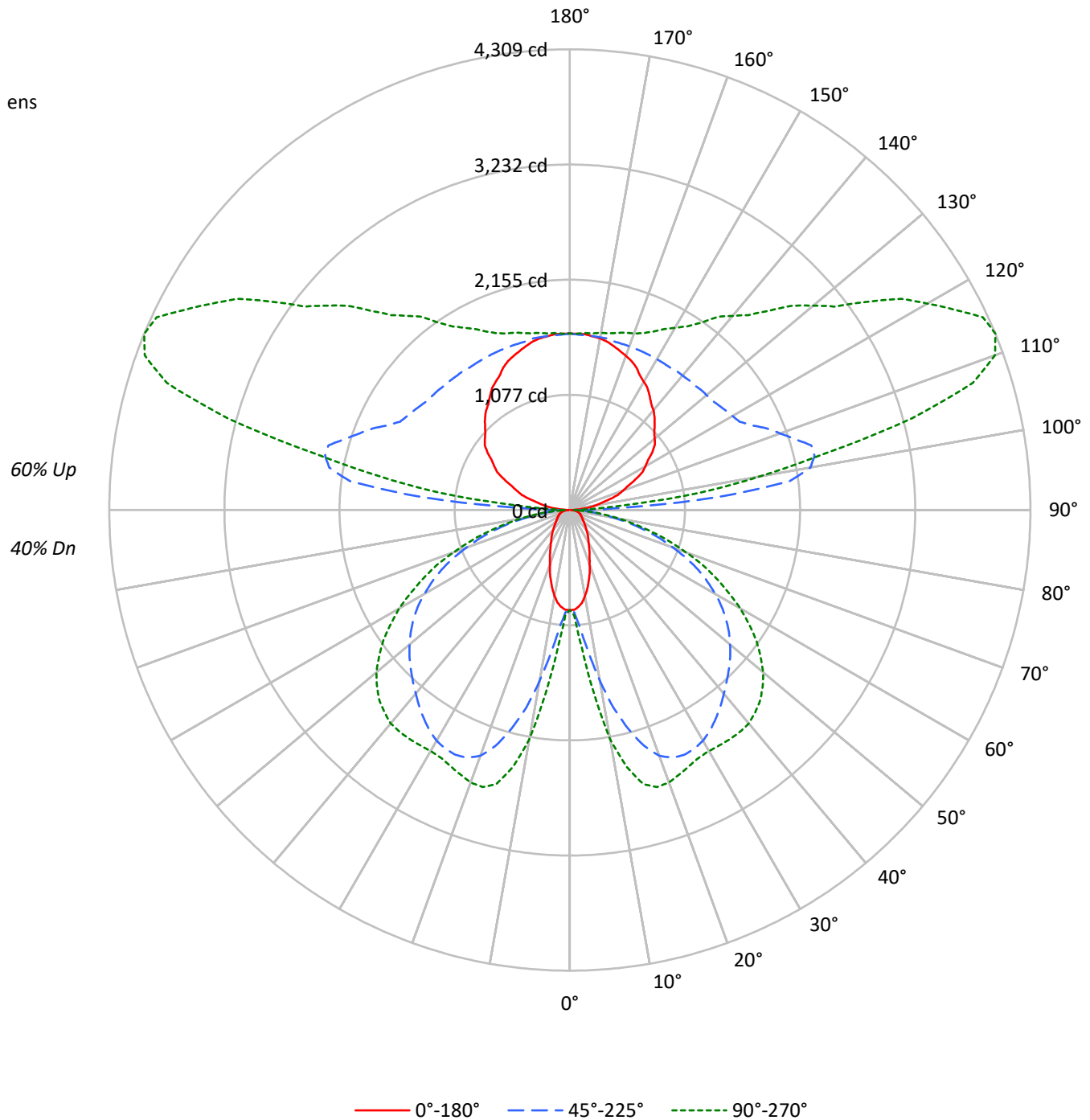
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17936.7 lumens
Efficiency: N/A
Efficacy: 107.8 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 (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: P938576
CATALOG NUMBER: SQ4-FB-150U-125D-940-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P938576

CATALOG NUMBER: SQ4-FB-150U-125D-940-1D-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° | 4337 | 4337 | 4337 |
| 5° | 4236 | 5013 | 5829 |
| 10° | 3843 | 7307 | 9664 |
| 15° | 3266 | 9546 | 11669 |
| 20° | 2659 | 11062 | 11893 |
| 25° | 2218 | 11576 | 11651 |
| 30° | 1870 | 11649 | 11629 |
| 35° | 1654 | 11456 | 11930 |
| 40° | 1441 | 11204 | 12241 |
| 45° | 1305 | 11020 | 12288 |
| 50° | 1197 | 10854 | 12085 |
| 55° | 1147 | 10612 | 11549 |
| 60° | 1173 | 10145 | 10703 |
| 65° | 1221 | 9437 | 9541 |
| 70° | 1301 | 8230 | 8061 |
| 75° | 1442 | 6711 | 6290 |
| 80° | 1574 | 4654 | 4239 |
| 85° | 1397 | 2470 | 2170 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12288 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 120.9 | 0.7 |
| 10°-20° | 535.9 | 3.0 |
| 20°-30° | 937.3 | 5.2 |
| 30°-40° | 1206.6 | 6.7 |
| 40°-50° | 1347.8 | 7.5 |
| 50°-60° | 1290.8 | 7.2 |
| 60°-70° | 1023.0 | 5.7 |
| 70°-80° | 601.6 | 3.4 |
| 80°-90° | 173.4 | 1.0 |
| 90°-100° | 804.5 | 4.5 |
| 100°-110° | 2115.2 | 11.8 |
| 110°-120° | 2193.2 | 12.2 |
| 120°-130° | 1759.2 | 9.8 |
| 130°-140° | 1380.3 | 7.7 |
| 140°-150° | 1059.5 | 5.9 |
| 150°-160° | 763.0 | 4.3 |
| 160°-170° | 466.8 | 2.6 |
| 170°-180° | 157.7 | 0.9 |
| 0°-30° | 1594.1 | 8.9 |
| 0°-40° | 2800.7 | 15.6 |
| 0°-60° | 5439.3 | 30.3 |
| 0°-90° | 7237.3 | 40.3 |
| 90°-120° | 5112.9 | 28.5 |
| 90°-150° | 9311.9 | 51.9 |
| 90°-180° | 10699.0 | 59.6 |
| 0°-180° | 17936.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 935 | 935 | 935 | 935 | 935 | |
| 5° | 911 | 977 | 1100 | 1244 | 1289 | 84 |
| 15° | 682 | 1259 | 2122 | 2573 | 2654 | 190 |
| 25° | 436 | 1428 | 2528 | 2639 | 2642 | 201 |
| 35° | 294 | 1364 | 2380 | 2516 | 2615 | 184 |
| 45° | 201 | 1088 | 2104 | 2410 | 2519 | 156 |
| 55° | 144 | 691 | 1785 | 2074 | 2131 | 131 |
| 65° | 114 | 367 | 1325 | 1491 | 1512 | 113 |
| 75° | 84 | 225 | 727 | 800 | 802 | 88 |
| 85° | 30 | 69 | 180 | 198 | 201 | 32 |
| 90° | 11 | 31 | 84 | 42 | 42 | 11 |
| 95° | 106 | 416 | 1386 | 714 | 486 | 118 |
| 105° | 381 | 577 | 2338 | 3550 | 3312 | 404 |
| 115° | 677 | 822 | 1873 | 3736 | 4265 | 668 |
| 125° | 942 | 1056 | 1704 | 2879 | 3396 | 836 |
| 135° | 1122 | 1235 | 1650 | 2324 | 2635 | 868 |
| 145° | 1302 | 1385 | 1629 | 1983 | 2138 | 815 |
| 155° | 1471 | 1512 | 1629 | 1789 | 1841 | 676 |
| 165° | 1587 | 1608 | 1629 | 1694 | 1715 | 448 |
| 175° | 1650 | 1650 | 1640 | 1662 | 1662 | 157 |
| 180° | 1650 | 1650 | 1650 | 1650 | 1650 | |



TEST NUMBER: P938576

CATALOG NUMBER: SQ4-FB-150U-125D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 934.7 | 934.7 | 934.7 | 934.7 | 934.7 | 934.7 | 934.7 | 934.7 | 934.7 | 934.7 | 934.7 |
| 2.5° | 934.7 | 934.7 | 940.7 | 943.8 | 949.7 | 952.7 | 958.8 | 964.8 | 982.8 | 985.9 | 991.8 |
| 5° | 910.6 | 922.7 | 961.8 | 976.8 | 1018.9 | 1076.0 | 1100.1 | 1139.1 | 1220.2 | 1244.3 | 1259.3 |
| 7.5° | 874.6 | 901.7 | 997.8 | 1021.9 | 1127.0 | 1277.4 | 1340.4 | 1424.6 | 1553.8 | 1617.0 | 1668.1 |
| 10° | 817.5 | 874.6 | 1045.9 | 1103.0 | 1274.4 | 1502.8 | 1620.0 | 1737.2 | 1932.6 | 2019.8 | 2052.8 |
| 12.5° | 754.4 | 847.6 | 1097.0 | 1175.2 | 1421.6 | 1755.2 | 1896.5 | 2025.7 | 2248.1 | 2365.4 | 2383.4 |
| 15° | 682.3 | 808.5 | 1145.1 | 1259.3 | 1577.9 | 1965.6 | 2121.9 | 2281.2 | 2488.6 | 2572.7 | 2593.8 |
| 17.5° | 619.1 | 778.4 | 1190.2 | 1310.4 | 1698.1 | 2155.0 | 2314.2 | 2446.5 | 2614.8 | 2671.9 | 2686.9 |
| 20° | 541.0 | 730.4 | 1220.2 | 1376.5 | 1824.4 | 2293.3 | 2446.5 | 2548.6 | 2662.9 | 2699.0 | 2704.9 |
| 22.5° | 483.9 | 679.2 | 1238.3 | 1400.6 | 1908.5 | 2377.4 | 2506.6 | 2587.7 | 2665.9 | 2677.9 | 2681.0 |
| 25° | 435.8 | 622.1 | 1235.3 | 1427.6 | 1980.7 | 2428.5 | 2527.7 | 2587.7 | 2632.8 | 2638.9 | 2638.9 |
| 27.5° | 390.7 | 559.0 | 1223.2 | 1433.7 | 2034.8 | 2440.5 | 2518.6 | 2560.7 | 2581.8 | 2593.8 | 2593.8 |
| 30° | 351.6 | 498.9 | 1193.2 | 1421.6 | 2058.8 | 2428.5 | 2491.6 | 2512.6 | 2533.6 | 2551.7 | 2560.7 |
| 32.5° | 321.6 | 441.8 | 1148.1 | 1397.5 | 2061.8 | 2398.4 | 2443.5 | 2455.5 | 2485.6 | 2527.7 | 2542.7 |
| 35° | 294.5 | 384.7 | 1097.0 | 1364.5 | 2043.7 | 2350.4 | 2380.4 | 2392.4 | 2452.5 | 2515.6 | 2536.7 |
| 37.5° | 267.5 | 342.6 | 1030.9 | 1307.4 | 2016.7 | 2293.3 | 2314.2 | 2335.3 | 2428.5 | 2503.6 | 2527.7 |
| 40° | 240.5 | 306.5 | 952.7 | 1244.3 | 1974.6 | 2224.1 | 2242.1 | 2275.1 | 2398.4 | 2485.6 | 2509.6 |
| 42.5° | 219.4 | 276.5 | 868.6 | 1178.2 | 1920.6 | 2145.9 | 2173.0 | 2221.1 | 2362.3 | 2455.5 | 2482.6 |
| 45° | 201.4 | 246.4 | 778.4 | 1088.0 | 1851.4 | 2064.8 | 2103.8 | 2170.0 | 2320.3 | 2410.5 | 2434.5 |
| 47.5° | 183.4 | 225.4 | 685.3 | 994.8 | 1776.3 | 1983.6 | 2034.8 | 2109.9 | 2263.2 | 2350.4 | 2371.4 |
| 50° | 168.3 | 204.4 | 592.1 | 895.6 | 1695.1 | 1896.5 | 1956.6 | 2034.8 | 2191.1 | 2272.2 | 2299.2 |
| 52.5° | 156.3 | 186.3 | 504.9 | 796.4 | 1602.0 | 1806.3 | 1875.5 | 1956.6 | 2103.8 | 2182.0 | 2200.0 |
| 55° | 144.3 | 171.3 | 429.8 | 691.3 | 1505.8 | 1710.1 | 1785.3 | 1863.5 | 2007.7 | 2073.8 | 2085.8 |
| 57.5° | 138.3 | 159.3 | 366.7 | 592.1 | 1403.6 | 1602.0 | 1686.1 | 1758.2 | 1893.5 | 1944.5 | 1956.6 |
| 60° | 129.2 | 150.2 | 318.6 | 507.9 | 1292.4 | 1499.7 | 1571.8 | 1644.0 | 1758.2 | 1800.3 | 1809.3 |
| 62.5° | 120.2 | 144.3 | 282.6 | 426.8 | 1178.2 | 1379.5 | 1451.7 | 1517.8 | 1613.9 | 1644.0 | 1656.0 |
| 65° | 114.2 | 138.3 | 255.5 | 366.7 | 1061.0 | 1253.3 | 1325.4 | 1382.5 | 1460.7 | 1490.8 | 1496.7 |
| 67.5° | 108.2 | 132.2 | 234.4 | 315.6 | 943.8 | 1127.0 | 1181.1 | 1235.3 | 1295.4 | 1325.4 | 1328.4 |
| 70° | 99.2 | 126.3 | 216.4 | 279.5 | 823.5 | 982.8 | 1027.9 | 1085.0 | 1133.1 | 1148.1 | 1157.2 |
| 72.5° | 93.2 | 117.2 | 204.4 | 252.5 | 700.3 | 844.6 | 886.7 | 919.7 | 961.8 | 976.8 | 976.8 |
| 75° | 84.2 | 105.2 | 192.3 | 225.4 | 574.1 | 691.3 | 727.4 | 760.4 | 793.4 | 799.5 | 790.5 |
| 77.5° | 75.1 | 93.2 | 165.3 | 189.3 | 447.8 | 547.0 | 577.0 | 595.1 | 622.1 | 628.2 | 631.2 |
| 80° | 63.1 | 81.2 | 129.2 | 147.2 | 324.6 | 402.7 | 423.8 | 438.8 | 462.8 | 462.8 | 468.9 |
| 82.5° | 48.1 | 63.1 | 93.2 | 105.2 | 219.4 | 276.5 | 294.5 | 303.5 | 318.6 | 318.6 | 318.6 |
| 85° | 30.0 | 39.1 | 60.1 | 69.1 | 132.2 | 168.3 | 180.4 | 183.4 | 195.4 | 198.4 | 198.4 |
| 87.5° | 15.0 | 21.0 | 39.1 | 42.1 | 69.1 | 87.2 | 87.2 | 93.2 | 93.2 | 90.1 | 87.2 |
| 90° | 11.1 | 20.0 | 28.8 | 31.0 | 48.8 | 72.4 | 84.2 | 74.9 | 56.1 | 42.1 | 42.1 |
| 92.5° | 44.3 | 119.6 | 195.0 | 213.8 | 300.6 | 416.3 | 474.1 | 415.5 | 298.4 | 210.5 | 202.1 |
| 95° | 106.4 | 244.2 | 382.0 | 416.5 | 739.5 | 1170.3 | 1385.7 | 1236.5 | 938.3 | 714.5 | 689.1 |
| 97.5° | 183.9 | 305.5 | 427.1 | 457.5 | 996.2 | 1714.6 | 2073.7 | 1979.4 | 1790.8 | 1649.4 | 1601.2 |
| 100° | 243.7 | 354.0 | 464.2 | 491.9 | 1089.7 | 1886.6 | 2285.2 | 2292.1 | 2305.9 | 2316.2 | 2258.7 |
| 102.5° | 294.6 | 397.6 | 500.4 | 526.1 | 1132.5 | 1940.8 | 2345.0 | 2465.2 | 2705.4 | 2885.6 | 2836.4 |
| 105° | 381.0 | 468.2 | 555.4 | 577.1 | 1164.2 | 1946.9 | 2338.4 | 2607.7 | 3146.3 | 3550.2 | 3523.8 |
| 107.5° | 469.7 | 550.9 | 632.1 | 652.4 | 1170.1 | 1860.4 | 2205.4 | 2581.1 | 3332.4 | 3895.8 | 3902.2 |
| 110° | 529.5 | 602.9 | 676.2 | 694.5 | 1161.2 | 1783.5 | 2094.7 | 2514.6 | 3354.5 | 3984.5 | 4012.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 588.2 | 658.1 | 728.0 | 745.5 | 1161.6 | 1716.4 | 1993.8 | 2423.6 | 3283.2 | 3927.9 | 3970.2 |
| 115° | 676.8 | 741.3 | 805.8 | 821.9 | 1172.3 | 1639.5 | 1873.1 | 2287.1 | 3115.2 | 3736.3 | 3795.0 |
| 117.5° | 764.3 | 822.9 | 881.5 | 896.2 | 1194.1 | 1591.4 | 1790.0 | 2163.7 | 2911.0 | 3471.5 | 3536.6 |
| 120° | 815.3 | 870.4 | 925.6 | 939.3 | 1211.9 | 1575.1 | 1756.8 | 2098.3 | 2781.1 | 3293.2 | 3356.5 |
| 122.5° | 865.1 | 920.8 | 976.4 | 990.3 | 1237.3 | 1566.7 | 1731.3 | 2038.8 | 2653.7 | 3114.8 | 3177.3 |
| 125° | 941.5 | 992.3 | 1043.0 | 1055.7 | 1271.6 | 1559.6 | 1703.6 | 1964.8 | 2487.1 | 2878.9 | 2936.3 |
| 127.5° | 1003.6 | 1054.8 | 1106.0 | 1118.8 | 1306.0 | 1555.6 | 1680.4 | 1904.6 | 2353.1 | 2689.5 | 2738.0 |
| 130° | 1036.8 | 1092.0 | 1147.1 | 1160.9 | 1331.1 | 1558.0 | 1671.5 | 1871.1 | 2270.4 | 2569.9 | 2614.7 |
| 132.5° | 1071.2 | 1126.3 | 1181.5 | 1195.2 | 1351.4 | 1559.7 | 1663.8 | 1842.4 | 2199.8 | 2467.9 | 2508.1 |
| 135° | 1122.1 | 1172.3 | 1222.6 | 1235.1 | 1373.6 | 1558.2 | 1650.4 | 1800.2 | 2099.5 | 2324.0 | 2358.5 |
| 137.5° | 1174.2 | 1223.9 | 1273.6 | 1286.0 | 1406.8 | 1567.8 | 1648.3 | 1774.8 | 2027.8 | 2217.6 | 2245.9 |
| 140° | 1217.4 | 1263.2 | 1308.9 | 1320.4 | 1427.1 | 1569.4 | 1640.5 | 1749.8 | 1968.4 | 2132.4 | 2158.8 |
| 142.5° | 1250.6 | 1292.9 | 1335.3 | 1345.9 | 1444.1 | 1575.0 | 1640.5 | 1736.5 | 1928.5 | 2072.5 | 2095.2 |
| 145° | 1301.5 | 1338.5 | 1375.4 | 1384.7 | 1466.3 | 1575.0 | 1629.4 | 1707.9 | 1865.0 | 1982.8 | 2000.0 |
| 147.5° | 1352.5 | 1388.5 | 1424.4 | 1433.4 | 1498.8 | 1585.9 | 1629.4 | 1691.2 | 1814.7 | 1907.4 | 1921.7 |
| 150° | 1385.7 | 1418.2 | 1450.7 | 1458.8 | 1515.6 | 1591.5 | 1629.4 | 1681.6 | 1785.9 | 1864.3 | 1875.8 |
| 152.5° | 1420.1 | 1444.7 | 1469.4 | 1475.5 | 1526.8 | 1595.2 | 1629.4 | 1674.0 | 1763.0 | 1829.9 | 1838.6 |
| 155° | 1471.1 | 1489.3 | 1507.5 | 1512.0 | 1551.2 | 1603.3 | 1629.4 | 1664.8 | 1735.8 | 1789.0 | 1794.7 |
| 157.5° | 1508.7 | 1526.5 | 1544.1 | 1548.6 | 1575.5 | 1611.5 | 1629.4 | 1657.0 | 1712.2 | 1753.5 | 1757.6 |
| 160° | 1534.2 | 1548.0 | 1561.7 | 1565.2 | 1586.6 | 1615.1 | 1629.4 | 1653.0 | 1700.3 | 1735.8 | 1738.1 |
| 162.5° | 1559.7 | 1570.0 | 1580.4 | 1582.9 | 1598.4 | 1619.1 | 1629.4 | 1649.4 | 1689.2 | 1719.2 | 1721.4 |
| 165° | 1587.3 | 1596.6 | 1606.0 | 1608.3 | 1615.4 | 1624.7 | 1629.4 | 1643.7 | 1672.3 | 1693.7 | 1696.0 |
| 167.5° | 1612.8 | 1617.2 | 1621.7 | 1622.8 | 1628.7 | 1636.6 | 1640.5 | 1649.8 | 1668.6 | 1682.6 | 1683.6 |
| 170° | 1629.4 | 1633.8 | 1638.3 | 1639.4 | 1639.8 | 1640.2 | 1640.5 | 1649.8 | 1668.6 | 1682.6 | 1682.6 |
| 172.5° | 1638.3 | 1639.2 | 1640.2 | 1640.5 | 1640.5 | 1640.5 | 1640.5 | 1647.9 | 1662.6 | 1673.7 | 1672.8 |
| 175° | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1647.2 | 1642.7 | 1640.5 | 1645.2 | 1654.5 | 1661.5 | 1661.5 |
| 177.5° | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1647.9 | 1644.4 | 1642.7 | 1646.4 | 1653.8 | 1659.3 | 1658.3 |
| 180° | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1650.4 | 1650.4 |



TEST NUMBER: P938576

CATALOG NUMBER: SQ4-FB-150U-125D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 934.7 | 934.7 |
| 2.5° | 997.8 | 991.8 |
| 5° | 1283.3 | 1289.4 |
| 7.5° | 1728.1 | 1725.2 |
| 10° | 2149.0 | 2176.0 |
| 12.5° | 2455.5 | 2461.5 |
| 15° | 2641.9 | 2653.9 |
| 17.5° | 2714.0 | 2717.0 |
| 20° | 2717.0 | 2711.0 |
| 22.5° | 2684.0 | 2677.9 |
| 25° | 2644.9 | 2641.9 |
| 27.5° | 2608.8 | 2611.8 |
| 30° | 2593.8 | 2602.8 |
| 32.5° | 2593.8 | 2608.8 |
| 35° | 2599.8 | 2614.8 |
| 37.5° | 2596.8 | 2614.8 |
| 40° | 2584.8 | 2605.8 |
| 42.5° | 2551.7 | 2566.8 |
| 45° | 2500.6 | 2518.6 |
| 47.5° | 2434.5 | 2446.5 |
| 50° | 2350.4 | 2362.3 |
| 52.5° | 2245.1 | 2248.1 |
| 55° | 2118.9 | 2130.9 |
| 57.5° | 1983.6 | 1986.6 |
| 60° | 1833.4 | 1842.4 |
| 62.5° | 1674.1 | 1674.1 |
| 65° | 1505.8 | 1511.8 |
| 67.5° | 1331.5 | 1346.5 |
| 70° | 1154.1 | 1157.2 |
| 72.5° | 979.8 | 979.8 |
| 75° | 799.5 | 802.5 |
| 77.5° | 628.2 | 628.2 |
| 80° | 465.8 | 468.9 |
| 82.5° | 321.6 | 327.6 |
| 85° | 201.4 | 201.4 |
| 87.5° | 93.2 | 84.2 |
| 90° | 42.1 | 42.1 |
| 92.5° | 168.6 | 135.2 |
| 95° | 587.7 | 486.3 |
| 97.5° | 1408.1 | 1215.1 |
| 100° | 2028.8 | 1798.9 |
| 102.5° | 2639.4 | 2442.5 |
| 105° | 3417.9 | 3312.1 |
| 107.5° | 3927.8 | 3953.4 |
| 110° | 4122.3 | 4232.6 |



TEST NUMBER: P938576

CATALOG NUMBER: SQ4-FB-150U-125D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 4139.6 | 4308.9 |
| 115° | 4029.8 | 4264.6 |
| 117.5° | 3797.1 | 4057.5 |
| 120° | 3609.5 | 3862.5 |
| 122.5° | 3426.9 | 3676.5 |
| 125° | 3166.3 | 3396.2 |
| 127.5° | 2932.0 | 3125.9 |
| 130° | 2793.9 | 2973.1 |
| 132.5° | 2668.5 | 2829.1 |
| 135° | 2496.9 | 2635.2 |
| 137.5° | 2359.1 | 2472.4 |
| 140° | 2264.7 | 2370.5 |
| 142.5° | 2186.3 | 2277.5 |
| 145° | 2069.0 | 2137.9 |
| 147.5° | 1978.8 | 2035.9 |
| 150° | 1922.2 | 1968.4 |
| 152.5° | 1873.6 | 1908.6 |
| 155° | 1817.9 | 1841.0 |
| 157.5° | 1773.8 | 1790.0 |
| 160° | 1747.5 | 1756.8 |
| 162.5° | 1730.2 | 1739.1 |
| 165° | 1705.4 | 1714.7 |
| 167.5° | 1687.6 | 1691.5 |
| 170° | 1682.6 | 1682.6 |
| 172.5° | 1669.4 | 1666.0 |
| 175° | 1661.5 | 1661.5 |
| 177.5° | 1654.3 | 1650.4 |
| 180° | 1650.4 | 1650.4 |



TEST NUMBER: P938576
 CATALOG NUMBER: SQ4-FB-150U-125D-940-1D-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 | 5.15 | 5.96 | 6.18 | 7.00 | 8.40 | 18.33 | 19.14 | 19.36 | 20.18 | 21.58 |
| | 3H | 5.85 | 6.58 | 6.89 | 7.63 | 9.05 | 20.17 | 20.89 | 21.20 | 21.94 | 23.36 |
| | 4H | 6.15 | 6.84 | 7.20 | 7.89 | 9.32 | 20.81 | 21.50 | 21.86 | 22.55 | 23.98 |
| | 6H | 6.40 | 7.03 | 7.46 | 8.09 | 9.53 | 21.24 | 21.87 | 22.30 | 22.93 | 24.37 |
| | 8H | 6.46 | 7.07 | 7.53 | 8.14 | 9.57 | 21.35 | 21.96 | 22.42 | 23.03 | 24.47 |
| | 12H | 6.48 | 7.05 | 7.55 | 8.12 | 9.58 | 21.42 | 22.00 | 22.49 | 23.06 | 24.52 |
| 4H | 2H | 12.36 | 13.05 | 13.42 | 14.10 | 15.53 | 18.60 | 19.29 | 19.65 | 20.34 | 21.77 |
| | 3H | 13.92 | 14.50 | 14.99 | 15.58 | 17.02 | 20.64 | 21.22 | 21.70 | 22.30 | 23.73 |
| | 4H | 14.01 | 14.55 | 15.09 | 15.62 | 17.08 | 21.40 | 21.93 | 22.47 | 23.00 | 24.46 |
| | 6H | 14.02 | 14.48 | 15.10 | 15.57 | 17.03 | 21.94 | 22.40 | 23.02 | 23.49 | 24.94 |
| | 8H | 14.00 | 14.42 | 15.08 | 15.51 | 16.98 | 22.10 | 22.53 | 23.18 | 23.61 | 25.08 |
| | 12H | 13.95 | 14.34 | 15.05 | 15.44 | 16.91 | 22.19 | 22.58 | 23.29 | 23.68 | 25.15 |
| 8H | 4H | 15.46 | 15.88 | 16.54 | 16.97 | 18.44 | 21.46 | 21.88 | 22.54 | 22.97 | 24.44 |
| | 6H | 15.69 | 16.05 | 16.80 | 17.18 | 18.64 | 22.09 | 22.44 | 23.19 | 23.57 | 25.03 |
| | 8H | 15.71 | 16.02 | 16.82 | 17.13 | 18.62 | 22.30 | 22.61 | 23.42 | 23.72 | 25.21 |
| | 12H | 15.68 | 15.95 | 16.79 | 17.06 | 18.58 | 22.45 | 22.72 | 23.56 | 23.83 | 25.35 |
| 12H | 4H | 15.60 | 15.98 | 16.70 | 17.08 | 18.56 | 21.41 | 21.80 | 22.51 | 22.89 | 24.37 |
| | 6H | 15.95 | 16.26 | 17.06 | 17.37 | 18.86 | 22.07 | 22.38 | 23.18 | 23.49 | 24.98 |
| | 8H | 16.02 | 16.29 | 17.14 | 17.40 | 18.92 | 22.30 | 22.57 | 23.41 | 23.67 | 25.20 |