

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: P936921

Luminaire Tested: SQ4-FB-050U-125D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936921
REPORT IS A COMBINATION OF REPORTS P933464 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-125D-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

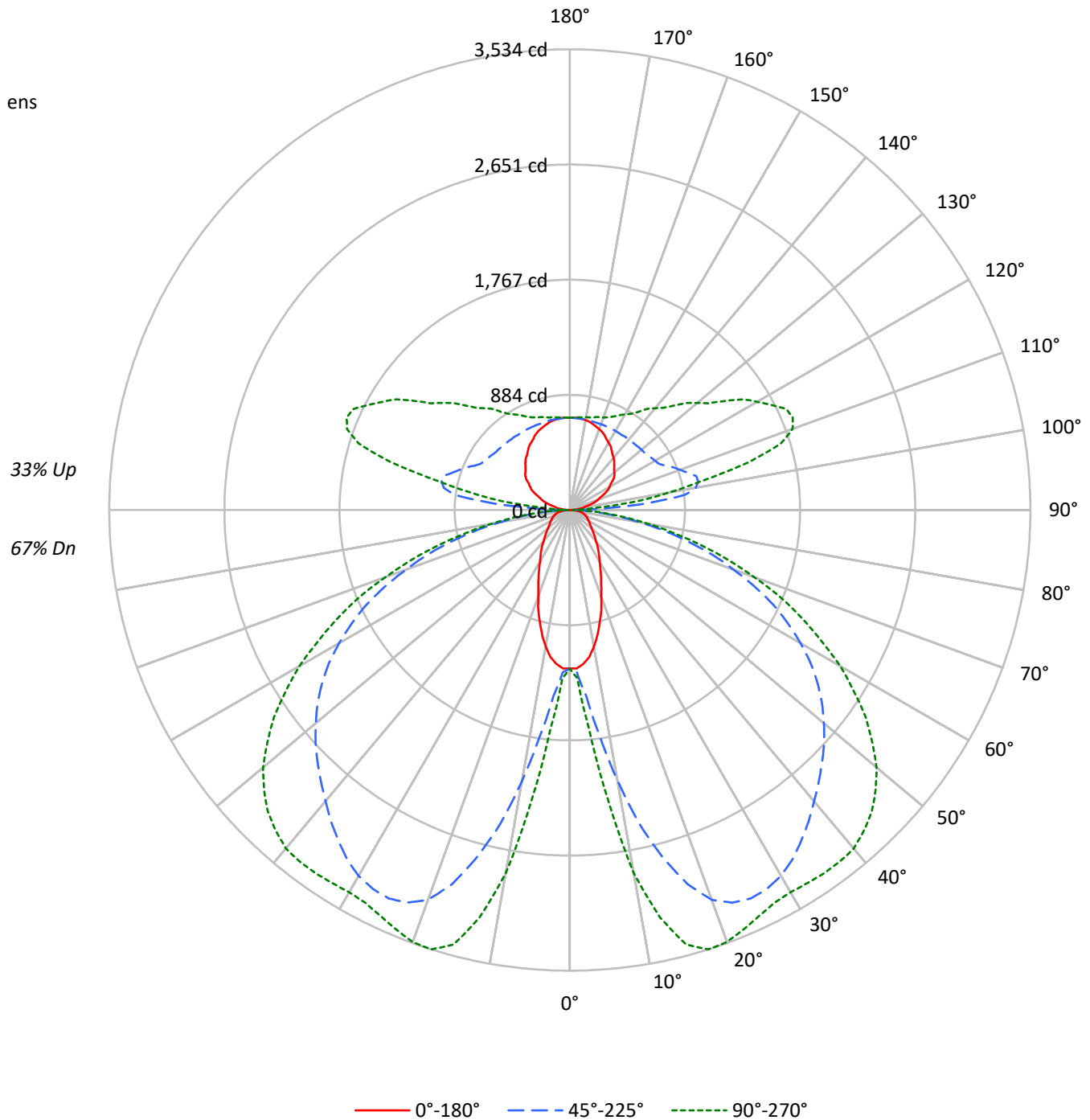
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14006.3 lumens
Efficiency: N/A
Efficacy: 83.4 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: Semi-Direct

Input Watts (W): 168
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: P936921
CATALOG NUMBER: SQ4-FB-050U-125D-927-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P936921

CATALOG NUMBER: SQ4-FB-050U-125D-927-1D-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 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 | 82 | 82 | 82 | 72 | 72 | 72 | 67 | 67 | 67 | 67 |
| 1 | 101 | 96 | 92 | 88 | 95 | 91 | 87 | 83 | 80 | 78 | 75 | 71 | 69 | 67 | 62 | 61 | 59 | 55 | 55 | 55 | 55 |
| 2 | 91 | 83 | 76 | 71 | 86 | 78 | 72 | 67 | 70 | 65 | 61 | 61 | 58 | 55 | 54 | 51 | 49 | 45 | 45 | 45 | 45 |
| 3 | 83 | 72 | 64 | 58 | 77 | 68 | 61 | 55 | 61 | 55 | 50 | 54 | 49 | 45 | 47 | 44 | 41 | 37 | 37 | 37 | 37 |
| 4 | 75 | 64 | 55 | 48 | 70 | 60 | 52 | 46 | 53 | 47 | 42 | 47 | 42 | 38 | 42 | 38 | 34 | 31 | 31 | 31 | 31 |
| 5 | 69 | 56 | 47 | 41 | 64 | 53 | 45 | 39 | 47 | 41 | 36 | 42 | 37 | 32 | 37 | 33 | 29 | 26 | 26 | 26 | 26 |
| 6 | 63 | 50 | 41 | 35 | 59 | 47 | 39 | 34 | 42 | 36 | 31 | 38 | 32 | 28 | 33 | 29 | 25 | 23 | 23 | 23 | 23 |
| 7 | 58 | 45 | 36 | 30 | 55 | 43 | 35 | 29 | 38 | 32 | 27 | 34 | 29 | 24 | 30 | 26 | 22 | 20 | 20 | 20 | 20 |
| 8 | 54 | 41 | 32 | 27 | 51 | 39 | 31 | 26 | 35 | 28 | 24 | 31 | 26 | 22 | 27 | 23 | 20 | 17 | 17 | 17 | 17 |
| 9 | 50 | 37 | 29 | 24 | 47 | 35 | 28 | 23 | 32 | 25 | 21 | 28 | 23 | 19 | 25 | 21 | 17 | 15 | 15 | 15 | 15 |
| 10 | 47 | 34 | 26 | 21 | 44 | 32 | 25 | 20 | 29 | 23 | 19 | 26 | 21 | 17 | 23 | 19 | 16 | 14 | 14 | 14 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 3761 | 3761 | 3761 |
| 5° | 3675 | 4347 | 5054 |
| 10° | 3335 | 6339 | 8379 |
| 15° | 2835 | 8283 | 10118 |
| 20° | 2309 | 9601 | 10312 |
| 25° | 1927 | 10049 | 10102 |
| 30° | 1626 | 10116 | 10083 |
| 35° | 1438 | 9950 | 10344 |
| 40° | 1254 | 9735 | 10614 |
| 45° | 1136 | 9578 | 10655 |
| 50° | 1043 | 9437 | 10479 |
| 55° | 1000 | 9230 | 10014 |
| 60° | 1025 | 8828 | 9280 |
| 65° | 1068 | 8217 | 8273 |
| 70° | 1141 | 7171 | 6989 |
| 75° | 1268 | 5852 | 5454 |
| 80° | 1396 | 4063 | 3675 |
| 85° | 1267 | 2159 | 1881 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10655 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 157.3 | 1.1 |
| 10°-20° | 697.0 | 5.0 |
| 20°-30° | 1219.1 | 8.7 |
| 30°-40° | 1569.4 | 11.2 |
| 40°-50° | 1752.9 | 12.5 |
| 50°-60° | 1678.9 | 12.0 |
| 60°-70° | 1330.5 | 9.5 |
| 70°-80° | 782.4 | 5.6 |
| 80°-90° | 220.1 | 1.6 |
| 90°-100° | 345.8 | 2.5 |
| 100°-110° | 909.1 | 6.5 |
| 110°-120° | 942.7 | 6.7 |
| 120°-130° | 756.1 | 5.4 |
| 130°-140° | 593.3 | 4.2 |
| 140°-150° | 455.4 | 3.3 |
| 150°-160° | 328.0 | 2.3 |
| 160°-170° | 200.7 | 1.4 |
| 170°-180° | 67.8 | 0.5 |
| 0°-30° | 2073.3 | 14.8 |
| 0°-40° | 3642.7 | 26.0 |
| 0°-60° | 7074.5 | 50.5 |
| 0°-90° | 9407.5 | 67.2 |
| 90°-120° | 2197.6 | 15.7 |
| 90°-150° | 4002.4 | 28.6 |
| 90°-180° | 4599.0 | 32.8 |
| 0°-180° | 14006.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1216 | 1216 | 1216 | 1216 | 1216 | |
| 5° | 1184 | 1270 | 1431 | 1618 | 1677 | 109 |
| 15° | 887 | 1638 | 2760 | 3346 | 3452 | 247 |
| 25° | 567 | 1857 | 3288 | 3432 | 3436 | 261 |
| 35° | 383 | 1775 | 3096 | 3272 | 3401 | 239 |
| 45° | 262 | 1415 | 2736 | 3135 | 3276 | 203 |
| 55° | 188 | 899 | 2322 | 2697 | 2772 | 171 |
| 65° | 148 | 477 | 1724 | 1939 | 1966 | 147 |
| 75° | 109 | 293 | 946 | 1040 | 1044 | 115 |
| 85° | 39 | 90 | 234 | 258 | 262 | 41 |
| 90° | 5 | 13 | 36 | 18 | 18 | 7 |
| 95° | 46 | 179 | 596 | 307 | 209 | 51 |
| 105° | 164 | 248 | 1005 | 1526 | 1424 | 174 |
| 115° | 291 | 353 | 805 | 1606 | 1833 | 287 |
| 125° | 405 | 454 | 732 | 1237 | 1460 | 359 |
| 135° | 482 | 531 | 709 | 999 | 1133 | 373 |
| 145° | 559 | 595 | 700 | 852 | 919 | 350 |
| 155° | 632 | 650 | 700 | 769 | 791 | 291 |
| 165° | 682 | 691 | 700 | 728 | 737 | 193 |
| 175° | 709 | 709 | 705 | 714 | 714 | 67 |
| 180° | 709 | 709 | 709 | 709 | 709 | |



TEST NUMBER: P936921

CATALOG NUMBER: SQ4-FB-050U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1215.8 | 1215.8 |
| 2.5° | 1215.8 | 1215.8 | 1223.5 | 1227.5 | 1235.2 | 1239.2 | 1247.0 | 1254.8 | 1278.3 | 1282.2 | 1290.0 |
| 5° | 1184.4 | 1200.0 | 1250.9 | 1270.4 | 1325.2 | 1399.5 | 1430.7 | 1481.6 | 1587.0 | 1618.4 | 1637.9 |
| 7.5° | 1137.5 | 1172.7 | 1297.8 | 1329.1 | 1465.9 | 1661.4 | 1743.4 | 1852.9 | 2021.0 | 2103.1 | 2169.6 |
| 10° | 1063.3 | 1137.5 | 1360.4 | 1434.6 | 1657.4 | 1954.5 | 2107.0 | 2259.4 | 2513.5 | 2626.9 | 2669.9 |
| 12.5° | 981.2 | 1102.3 | 1426.8 | 1528.4 | 1849.0 | 2282.9 | 2466.6 | 2634.7 | 2924.0 | 3076.5 | 3099.9 |
| 15° | 887.3 | 1051.5 | 1489.3 | 1637.9 | 2052.3 | 2556.6 | 2759.8 | 2967.0 | 3236.7 | 3346.2 | 3373.5 |
| 17.5° | 805.3 | 1012.5 | 1548.0 | 1704.3 | 2208.6 | 2802.8 | 3010.0 | 3181.9 | 3400.9 | 3475.2 | 3494.7 |
| 20° | 703.6 | 949.9 | 1587.0 | 1790.3 | 2372.8 | 2982.6 | 3181.9 | 3314.8 | 3463.5 | 3510.4 | 3518.1 |
| 22.5° | 629.3 | 883.4 | 1610.5 | 1821.6 | 2482.2 | 3092.1 | 3260.2 | 3365.7 | 3467.3 | 3482.9 | 3486.9 |
| 25° | 566.8 | 809.2 | 1606.6 | 1856.8 | 2576.0 | 3158.5 | 3287.5 | 3365.7 | 3424.3 | 3432.1 | 3432.1 |
| 27.5° | 508.2 | 727.1 | 1591.0 | 1864.6 | 2646.4 | 3174.2 | 3275.8 | 3330.5 | 3357.9 | 3373.5 | 3373.5 |
| 30° | 457.4 | 648.9 | 1551.9 | 1849.0 | 2677.7 | 3158.5 | 3240.6 | 3268.0 | 3295.4 | 3318.8 | 3330.5 |
| 32.5° | 418.3 | 574.7 | 1493.3 | 1817.7 | 2681.6 | 3119.4 | 3178.1 | 3193.7 | 3232.8 | 3287.5 | 3307.1 |
| 35° | 383.1 | 500.3 | 1426.8 | 1774.7 | 2658.2 | 3056.9 | 3095.9 | 3111.6 | 3189.8 | 3271.9 | 3299.2 |
| 37.5° | 347.9 | 445.6 | 1340.8 | 1700.5 | 2623.0 | 2982.6 | 3010.0 | 3037.3 | 3158.5 | 3256.3 | 3287.5 |
| 40° | 312.7 | 398.7 | 1239.2 | 1618.4 | 2568.3 | 2892.7 | 2916.1 | 2959.2 | 3119.4 | 3232.8 | 3264.0 |
| 42.5° | 285.4 | 359.7 | 1129.7 | 1532.4 | 2497.9 | 2791.1 | 2826.3 | 2888.8 | 3072.5 | 3193.7 | 3228.9 |
| 45° | 261.9 | 320.6 | 1012.5 | 1415.1 | 2407.9 | 2685.5 | 2736.3 | 2822.4 | 3017.8 | 3135.1 | 3166.3 |
| 47.5° | 238.5 | 293.2 | 891.3 | 1293.9 | 2310.2 | 2580.0 | 2646.4 | 2744.1 | 2943.6 | 3056.9 | 3084.2 |
| 50° | 218.9 | 265.8 | 770.1 | 1164.9 | 2204.7 | 2466.6 | 2544.8 | 2646.4 | 2849.7 | 2955.3 | 2990.4 |
| 52.5° | 203.3 | 242.4 | 656.7 | 1035.9 | 2083.5 | 2349.3 | 2439.3 | 2544.8 | 2736.3 | 2838.0 | 2861.4 |
| 55° | 187.6 | 222.8 | 559.0 | 899.1 | 1958.4 | 2224.2 | 2322.0 | 2423.7 | 2611.2 | 2697.2 | 2712.9 |
| 57.5° | 179.8 | 207.2 | 476.9 | 770.1 | 1825.5 | 2083.5 | 2193.0 | 2286.8 | 2462.7 | 2529.1 | 2544.8 |
| 60° | 168.1 | 195.4 | 414.3 | 660.7 | 1680.9 | 1950.6 | 2044.4 | 2138.3 | 2286.8 | 2341.5 | 2353.3 |
| 62.5° | 156.4 | 187.6 | 367.4 | 555.1 | 1532.4 | 1794.3 | 1888.0 | 1974.0 | 2099.2 | 2138.3 | 2153.9 |
| 65° | 148.5 | 179.8 | 332.3 | 476.9 | 1379.9 | 1630.1 | 1723.9 | 1798.2 | 1899.8 | 1938.9 | 1946.7 |
| 67.5° | 140.8 | 172.0 | 304.9 | 410.5 | 1227.5 | 1465.9 | 1536.2 | 1606.6 | 1684.8 | 1723.9 | 1727.8 |
| 70° | 129.0 | 164.2 | 281.4 | 363.5 | 1071.1 | 1278.3 | 1336.9 | 1411.2 | 1473.7 | 1493.3 | 1505.0 |
| 72.5° | 121.2 | 152.5 | 265.8 | 328.3 | 910.8 | 1098.5 | 1153.2 | 1196.2 | 1250.9 | 1270.4 | 1270.4 |
| 75° | 109.4 | 136.8 | 250.2 | 293.2 | 746.6 | 899.1 | 946.0 | 989.0 | 1032.0 | 1039.8 | 1028.1 |
| 77.5° | 97.7 | 121.2 | 215.0 | 246.2 | 582.4 | 711.5 | 750.5 | 774.0 | 809.2 | 817.0 | 820.9 |
| 80° | 82.1 | 105.6 | 168.1 | 191.6 | 422.2 | 523.8 | 551.2 | 570.7 | 602.0 | 602.0 | 609.8 |
| 82.5° | 62.5 | 82.1 | 121.2 | 136.8 | 285.4 | 359.7 | 383.1 | 394.8 | 414.3 | 414.3 | 414.3 |
| 85° | 39.1 | 50.8 | 78.2 | 89.9 | 172.0 | 218.9 | 234.5 | 238.5 | 254.1 | 258.0 | 258.0 |
| 87.5° | 19.6 | 27.3 | 50.8 | 54.7 | 89.9 | 113.3 | 113.3 | 121.2 | 121.2 | 117.3 | 113.3 |
| 90° | 4.8 | 8.5 | 12.4 | 13.3 | 20.9 | 31.1 | 36.2 | 32.2 | 24.1 | 18.1 | 18.1 |
| 92.5° | 19.0 | 51.4 | 83.8 | 91.9 | 129.1 | 178.9 | 203.7 | 178.6 | 128.2 | 90.5 | 86.9 |
| 95° | 45.7 | 105.0 | 164.2 | 179.0 | 317.9 | 503.0 | 595.6 | 531.5 | 403.2 | 307.1 | 296.1 |
| 97.5° | 79.0 | 131.3 | 183.6 | 196.7 | 428.2 | 736.9 | 891.3 | 850.8 | 769.7 | 708.9 | 688.2 |
| 100° | 104.7 | 152.2 | 199.5 | 211.4 | 468.3 | 810.9 | 982.2 | 985.1 | 991.1 | 995.5 | 970.8 |
| 102.5° | 126.7 | 170.9 | 215.1 | 226.1 | 486.7 | 834.2 | 1007.9 | 1059.5 | 1162.8 | 1240.2 | 1219.1 |
| 105° | 163.8 | 201.2 | 238.6 | 248.0 | 500.3 | 836.8 | 1005.1 | 1120.8 | 1352.3 | 1525.9 | 1514.5 |
| 107.5° | 201.9 | 236.8 | 271.7 | 280.4 | 503.0 | 799.6 | 947.9 | 1109.4 | 1432.4 | 1674.5 | 1677.3 |
| 110° | 227.6 | 259.1 | 290.7 | 298.5 | 499.1 | 766.6 | 900.4 | 1080.8 | 1441.8 | 1712.6 | 1724.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 252.8 | 282.8 | 312.9 | 320.4 | 499.3 | 737.7 | 857.0 | 1041.7 | 1411.2 | 1688.3 | 1706.5 |
| 115° | 290.9 | 318.6 | 346.3 | 353.3 | 503.9 | 704.7 | 805.1 | 983.1 | 1339.0 | 1605.9 | 1631.2 |
| 117.5° | 328.5 | 353.7 | 378.8 | 385.2 | 513.2 | 684.0 | 769.4 | 930.0 | 1251.2 | 1492.1 | 1520.1 |
| 120° | 350.4 | 374.1 | 397.8 | 403.7 | 520.8 | 677.1 | 755.1 | 901.9 | 1195.3 | 1415.5 | 1442.7 |
| 122.5° | 371.8 | 395.8 | 419.6 | 425.7 | 531.8 | 673.4 | 744.1 | 876.3 | 1140.6 | 1338.8 | 1365.6 |
| 125° | 404.7 | 426.5 | 448.3 | 453.8 | 546.6 | 670.4 | 732.3 | 844.5 | 1069.0 | 1237.4 | 1262.1 |
| 127.5° | 431.4 | 453.4 | 475.4 | 480.9 | 561.3 | 668.6 | 722.3 | 818.7 | 1011.4 | 1156.0 | 1176.9 |
| 130° | 445.7 | 469.4 | 493.0 | 499.0 | 572.1 | 669.7 | 718.5 | 804.3 | 975.9 | 1104.6 | 1123.8 |
| 132.5° | 460.4 | 484.1 | 507.8 | 513.7 | 580.9 | 670.4 | 715.1 | 791.9 | 945.6 | 1060.8 | 1078.0 |
| 135° | 482.3 | 503.9 | 525.4 | 530.8 | 590.4 | 669.7 | 709.4 | 773.8 | 902.4 | 998.9 | 1013.8 |
| 137.5° | 504.7 | 526.1 | 547.5 | 552.8 | 604.7 | 673.9 | 708.5 | 762.8 | 871.6 | 953.2 | 965.3 |
| 140° | 523.2 | 542.9 | 562.6 | 567.5 | 613.4 | 674.5 | 705.1 | 752.1 | 846.1 | 916.5 | 927.9 |
| 142.5° | 537.5 | 555.7 | 574.0 | 578.5 | 620.7 | 677.0 | 705.1 | 746.4 | 828.9 | 890.8 | 900.6 |
| 145° | 559.4 | 575.3 | 591.1 | 595.1 | 630.2 | 677.0 | 700.4 | 734.1 | 801.6 | 852.2 | 859.6 |
| 147.5° | 581.4 | 596.8 | 612.2 | 616.1 | 644.2 | 681.7 | 700.4 | 727.0 | 780.1 | 819.9 | 826.1 |
| 150° | 595.6 | 609.5 | 623.5 | 627.0 | 651.5 | 684.1 | 700.4 | 722.8 | 767.6 | 801.3 | 806.3 |
| 152.5° | 610.4 | 620.9 | 631.6 | 634.2 | 656.3 | 685.7 | 700.4 | 719.6 | 757.8 | 786.6 | 790.3 |
| 155° | 632.2 | 640.1 | 648.0 | 649.9 | 666.7 | 689.2 | 700.4 | 715.6 | 746.1 | 768.9 | 771.4 |
| 157.5° | 648.5 | 656.1 | 663.7 | 665.6 | 677.2 | 692.7 | 700.4 | 712.2 | 735.9 | 753.7 | 755.4 |
| 160° | 659.4 | 665.4 | 671.3 | 672.7 | 682.0 | 694.2 | 700.4 | 710.6 | 730.8 | 746.1 | 747.1 |
| 162.5° | 670.4 | 674.8 | 679.3 | 680.4 | 687.1 | 695.9 | 700.4 | 708.9 | 726.0 | 738.9 | 739.8 |
| 165° | 682.3 | 686.3 | 690.3 | 691.3 | 694.3 | 698.4 | 700.4 | 706.6 | 718.8 | 728.0 | 729.0 |
| 167.5° | 693.2 | 695.1 | 697.0 | 697.5 | 700.0 | 703.4 | 705.1 | 709.1 | 717.2 | 723.2 | 723.6 |
| 170° | 700.4 | 702.2 | 704.2 | 704.6 | 704.8 | 705.0 | 705.1 | 709.1 | 717.2 | 723.2 | 723.2 |
| 172.5° | 704.2 | 704.6 | 705.0 | 705.1 | 705.1 | 705.1 | 705.1 | 708.2 | 714.6 | 719.4 | 719.0 |
| 175° | 709.4 | 709.4 | 709.4 | 709.4 | 707.9 | 706.0 | 705.1 | 707.1 | 711.2 | 714.2 | 714.2 |
| 177.5° | 709.4 | 709.4 | 709.4 | 709.4 | 708.3 | 706.9 | 706.1 | 707.7 | 710.9 | 713.3 | 712.8 |
| 180° | 709.4 | 709.4 | 709.4 | 709.4 | 709.4 | 709.4 | 709.4 | 709.4 | 709.4 | 709.4 | 709.4 |



TEST NUMBER: P936921

CATALOG NUMBER: SQ4-FB-050U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1215.8 | 1215.8 |
| 2.5° | 1297.8 | 1290.0 |
| 5° | 1669.2 | 1677.0 |
| 7.5° | 2247.7 | 2243.8 |
| 10° | 2794.9 | 2830.1 |
| 12.5° | 3193.7 | 3201.5 |
| 15° | 3436.0 | 3451.7 |
| 17.5° | 3529.9 | 3533.8 |
| 20° | 3533.8 | 3526.0 |
| 22.5° | 3490.8 | 3482.9 |
| 25° | 3440.0 | 3436.0 |
| 27.5° | 3393.1 | 3397.0 |
| 30° | 3373.5 | 3385.2 |
| 32.5° | 3373.5 | 3393.1 |
| 35° | 3381.3 | 3400.9 |
| 37.5° | 3377.5 | 3400.9 |
| 40° | 3361.8 | 3389.2 |
| 42.5° | 3318.8 | 3338.3 |
| 45° | 3252.3 | 3275.8 |
| 47.5° | 3166.3 | 3181.9 |
| 50° | 3056.9 | 3072.5 |
| 52.5° | 2920.1 | 2924.0 |
| 55° | 2755.9 | 2771.5 |
| 57.5° | 2580.0 | 2583.9 |
| 60° | 2384.5 | 2396.2 |
| 62.5° | 2177.3 | 2177.3 |
| 65° | 1958.4 | 1966.3 |
| 67.5° | 1731.7 | 1751.3 |
| 70° | 1501.1 | 1505.0 |
| 72.5° | 1274.4 | 1274.4 |
| 75° | 1039.8 | 1043.7 |
| 77.5° | 817.0 | 817.0 |
| 80° | 605.9 | 609.8 |
| 82.5° | 418.3 | 426.1 |
| 85° | 261.9 | 261.9 |
| 87.5° | 121.2 | 109.4 |
| 90° | 18.1 | 18.1 |
| 92.5° | 72.5 | 58.1 |
| 95° | 252.6 | 209.0 |
| 97.5° | 605.2 | 522.3 |
| 100° | 872.0 | 773.2 |
| 102.5° | 1134.4 | 1049.8 |
| 105° | 1469.1 | 1423.6 |
| 107.5° | 1688.2 | 1699.2 |
| 110° | 1771.8 | 1819.2 |



TEST NUMBER: P936921

CATALOG NUMBER: SQ4-FB-050U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1779.3 | 1852.1 |
| 115° | 1732.1 | 1833.1 |
| 117.5° | 1632.0 | 1744.0 |
| 120° | 1551.5 | 1660.2 |
| 122.5° | 1472.9 | 1580.2 |
| 125° | 1360.9 | 1459.8 |
| 127.5° | 1260.2 | 1343.6 |
| 130° | 1200.9 | 1277.9 |
| 132.5° | 1147.0 | 1216.0 |
| 135° | 1073.2 | 1132.7 |
| 137.5° | 1014.0 | 1062.7 |
| 140° | 973.4 | 1018.9 |
| 142.5° | 939.8 | 978.9 |
| 145° | 889.3 | 918.9 |
| 147.5° | 850.5 | 875.1 |
| 150° | 826.1 | 846.1 |
| 152.5° | 805.3 | 820.4 |
| 155° | 781.4 | 791.3 |
| 157.5° | 762.4 | 769.4 |
| 160° | 751.1 | 755.1 |
| 162.5° | 743.7 | 747.5 |
| 165° | 733.0 | 737.0 |
| 167.5° | 725.3 | 727.0 |
| 170° | 723.2 | 723.2 |
| 172.5° | 717.6 | 716.1 |
| 175° | 714.2 | 714.2 |
| 177.5° | 711.1 | 709.4 |
| 180° | 709.4 | 709.4 |



TEST NUMBER: P936921
 CATALOG NUMBER: SQ4-FB-050U-125D-927-1D-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 | 7.04 | 8.14 | 7.82 | 8.95 | 9.95 | 20.23 | 21.33 | 21.02 | 22.14 | 23.14 |
| | 3H | 7.76 | 8.75 | 8.56 | 9.57 | 10.60 | 22.09 | 23.08 | 22.89 | 23.91 | 24.93 |
| | 4H | 8.07 | 9.01 | 8.89 | 9.84 | 10.88 | 22.75 | 23.69 | 23.57 | 24.52 | 25.56 |
| | 6H | 8.33 | 9.20 | 9.16 | 10.04 | 11.09 | 23.20 | 24.06 | 24.03 | 24.90 | 25.96 |
| | 8H | 8.41 | 9.23 | 9.25 | 10.09 | 11.15 | 23.33 | 24.15 | 24.17 | 25.01 | 26.07 |
| | 12H | 8.43 | 9.22 | 9.28 | 10.07 | 11.16 | 23.41 | 24.20 | 24.25 | 25.05 | 26.13 |
| 4H | 2H | 14.29 | 15.23 | 15.11 | 16.06 | 17.10 | 20.53 | 21.47 | 21.35 | 22.30 | 23.34 |
| | 3H | 15.88 | 16.66 | 16.71 | 17.53 | 18.58 | 22.60 | 23.39 | 23.44 | 24.25 | 25.31 |
| | 4H | 15.98 | 16.70 | 16.83 | 17.56 | 18.64 | 23.39 | 24.10 | 24.23 | 24.96 | 26.05 |
| | 6H | 16.01 | 16.63 | 16.87 | 17.52 | 18.60 | 23.94 | 24.56 | 24.81 | 25.45 | 26.54 |
| | 8H | 15.99 | 16.57 | 16.86 | 17.46 | 18.55 | 24.11 | 24.70 | 24.98 | 25.58 | 26.68 |
| | 12H | 15.96 | 16.48 | 16.85 | 17.39 | 18.49 | 24.22 | 24.75 | 25.11 | 25.65 | 26.76 |
| 8H | 4H | 17.45 | 18.03 | 18.32 | 18.92 | 20.02 | 23.47 | 24.05 | 24.33 | 24.93 | 26.03 |
| | 6H | 17.71 | 18.19 | 18.60 | 19.11 | 20.21 | 24.11 | 24.59 | 25.00 | 25.52 | 26.62 |
| | 8H | 17.73 | 18.16 | 18.63 | 19.07 | 20.19 | 24.34 | 24.77 | 25.24 | 25.68 | 26.80 |
| | 12H | 17.71 | 18.08 | 18.61 | 18.99 | 20.16 | 24.50 | 24.87 | 25.40 | 25.78 | 26.95 |
| 12H | 4H | 17.61 | 18.13 | 18.50 | 19.04 | 20.14 | 23.43 | 23.96 | 24.32 | 24.86 | 25.96 |
| | 6H | 17.97 | 18.40 | 18.87 | 19.32 | 20.43 | 24.10 | 24.53 | 25.00 | 25.44 | 26.56 |
| | 8H | 18.05 | 18.43 | 18.96 | 19.34 | 20.51 | 24.34 | 24.72 | 25.25 | 25.63 | 26.80 |