

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: P937267

Luminaire Tested: SQ4-FB-075U-100D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937267
REPORT IS A COMBINATION OF REPORTS P933519 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-075U-100D-93050-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

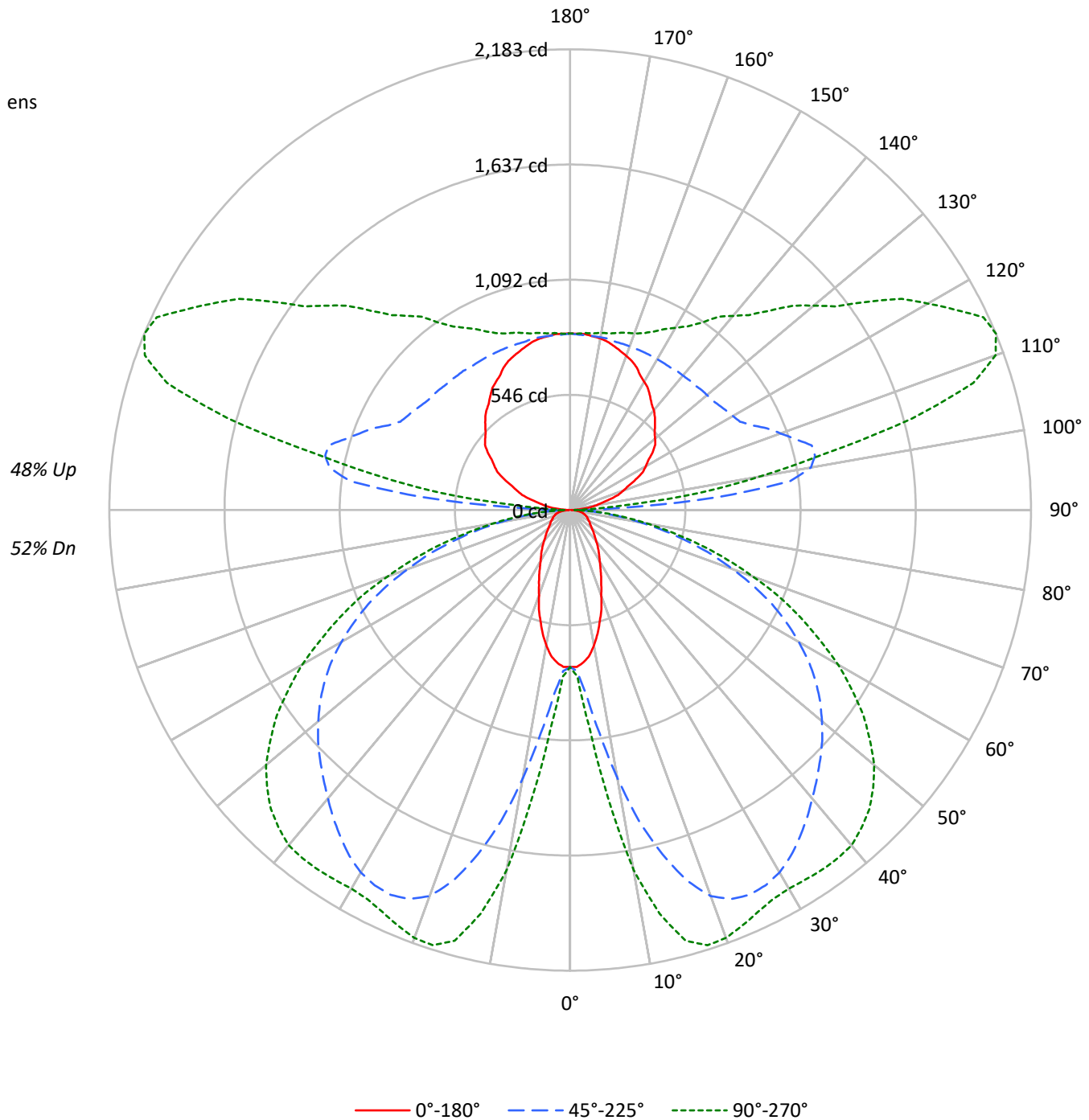
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11178.7 lumens
Efficiency: N/A
Efficacy: 109.2 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): 102.4
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: P937267
CATALOG NUMBER: SQ4-FB-075U-100D-93050-1D-UNV-STD-W-8-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P937267

CATALOG NUMBER: SQ4-FB-075U-100D-93050-1D-UNV-STD-W-8-4000K

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 | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 |
| 1 | 98 | 93 | 89 | 85 | 90 | 86 | 82 | 79 | 73 | 70 | 68 | 61 | 59 | 57 | 50 | 49 | 47 | 42 |
| 2 | 88 | 80 | 74 | 69 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 53 | 50 | 47 | 43 | 41 | 39 | 34 |
| 3 | 80 | 70 | 62 | 56 | 74 | 65 | 58 | 53 | 55 | 50 | 46 | 46 | 42 | 39 | 38 | 35 | 32 | 28 |
| 4 | 73 | 62 | 53 | 47 | 67 | 57 | 50 | 44 | 49 | 43 | 38 | 41 | 36 | 33 | 33 | 30 | 27 | 24 |
| 5 | 67 | 55 | 46 | 40 | 61 | 51 | 43 | 37 | 43 | 37 | 33 | 36 | 32 | 28 | 30 | 26 | 23 | 20 |
| 6 | 61 | 49 | 40 | 34 | 56 | 45 | 38 | 32 | 39 | 33 | 28 | 32 | 28 | 24 | 27 | 23 | 20 | 17 |
| 7 | 56 | 44 | 35 | 30 | 52 | 41 | 33 | 28 | 35 | 29 | 24 | 29 | 25 | 21 | 24 | 20 | 18 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 26 | 21 | 27 | 22 | 19 | 22 | 18 | 16 | 13 |
| 9 | 49 | 36 | 28 | 23 | 45 | 33 | 26 | 22 | 29 | 23 | 19 | 24 | 20 | 16 | 20 | 17 | 14 | 12 |
| 10 | 45 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 19 | 15 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3452 | 3452 | 3452 |
| 5° | 3372 | 3989 | 4639 |
| 10° | 3058 | 5815 | 7691 |
| 15° | 2599 | 7597 | 9287 |
| 20° | 2116 | 8804 | 9465 |
| 25° | 1766 | 9213 | 9273 |
| 30° | 1489 | 9271 | 9256 |
| 35° | 1316 | 9117 | 9495 |
| 40° | 1147 | 8917 | 9742 |
| 45° | 1039 | 8771 | 9780 |
| 50° | 953 | 8639 | 9618 |
| 55° | 912 | 8445 | 9192 |
| 60° | 934 | 8075 | 8519 |
| 65° | 972 | 7511 | 7594 |
| 70° | 1035 | 6550 | 6415 |
| 75° | 1148 | 5341 | 5006 |
| 80° | 1252 | 3704 | 3374 |
| 85° | 1113 | 1966 | 1727 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9780 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 96.2 | 0.9 |
| 10°-20° | 426.5 | 3.8 |
| 20°-30° | 746.0 | 6.7 |
| 30°-40° | 960.3 | 8.6 |
| 40°-50° | 1072.7 | 9.6 |
| 50°-60° | 1027.4 | 9.2 |
| 60°-70° | 814.2 | 7.3 |
| 70°-80° | 478.8 | 4.3 |
| 80°-90° | 136.2 | 1.2 |
| 90°-100° | 407.6 | 3.6 |
| 100°-110° | 1071.6 | 9.6 |
| 110°-120° | 1111.1 | 9.9 |
| 120°-130° | 891.2 | 8.0 |
| 130°-140° | 699.3 | 6.3 |
| 140°-150° | 536.7 | 4.8 |
| 150°-160° | 386.5 | 3.5 |
| 160°-170° | 236.5 | 2.1 |
| 170°-180° | 79.9 | 0.7 |
| 0°-30° | 1268.7 | 11.3 |
| 0°-40° | 2229.1 | 19.9 |
| 0°-60° | 4329.1 | 38.7 |
| 0°-90° | 5758.2 | 51.5 |
| 90°-120° | 2590.3 | 23.2 |
| 90°-150° | 4717.6 | 42.2 |
| 90°-180° | 5421.0 | 48.5 |
| 0°-180° | 11178.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 744 | 744 | 744 | 744 | 744 | |
| 5° | 725 | 777 | 876 | 990 | 1026 | 67 |
| 15° | 543 | 1002 | 1689 | 2048 | 2112 | 151 |
| 25° | 347 | 1136 | 2012 | 2100 | 2103 | 160 |
| 35° | 234 | 1086 | 1894 | 2002 | 2081 | 146 |
| 45° | 160 | 866 | 1674 | 1918 | 2005 | 124 |
| 55° | 115 | 550 | 1421 | 1650 | 1696 | 105 |
| 65° | 91 | 292 | 1055 | 1186 | 1203 | 90 |
| 75° | 67 | 179 | 579 | 636 | 639 | 70 |
| 85° | 24 | 55 | 144 | 158 | 160 | 25 |
| 90° | 6 | 16 | 43 | 21 | 21 | 6 |
| 95° | 54 | 211 | 702 | 362 | 246 | 60 |
| 105° | 193 | 292 | 1185 | 1799 | 1678 | 205 |
| 115° | 343 | 416 | 949 | 1893 | 2160 | 339 |
| 125° | 477 | 535 | 863 | 1458 | 1721 | 423 |
| 135° | 568 | 626 | 836 | 1177 | 1335 | 440 |
| 145° | 659 | 702 | 826 | 1004 | 1083 | 413 |
| 155° | 745 | 766 | 826 | 906 | 933 | 342 |
| 165° | 804 | 815 | 826 | 858 | 869 | 227 |
| 175° | 836 | 836 | 831 | 842 | 842 | 79 |
| 180° | 836 | 836 | 836 | 836 | 836 | |



TEST NUMBER: P937267

CATALOG NUMBER: SQ4-FB-075U-100D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 744.0 | 744.0 | 744.0 | 744.0 | 744.0 | 744.0 | 744.0 | 744.0 | 744.0 | 744.0 | 744.0 |
| 2.5° | 744.0 | 744.0 | 748.7 | 751.1 | 755.9 | 758.3 | 763.1 | 767.8 | 782.2 | 784.6 | 789.4 |
| 5° | 724.8 | 734.4 | 765.5 | 777.4 | 810.9 | 856.4 | 875.5 | 906.6 | 971.1 | 990.3 | 1002.3 |
| 7.5° | 696.1 | 717.6 | 794.2 | 813.3 | 897.0 | 1016.6 | 1066.8 | 1133.8 | 1236.7 | 1287.0 | 1327.6 |
| 10° | 650.6 | 696.1 | 832.5 | 877.9 | 1014.2 | 1196.0 | 1289.3 | 1382.6 | 1538.0 | 1607.5 | 1633.7 |
| 12.5° | 600.4 | 674.5 | 873.1 | 935.3 | 1131.5 | 1396.9 | 1509.4 | 1612.3 | 1789.2 | 1882.6 | 1896.9 |
| 15° | 543.0 | 643.5 | 911.4 | 1002.3 | 1255.8 | 1564.4 | 1688.8 | 1815.6 | 1980.6 | 2047.6 | 2064.3 |
| 17.5° | 492.8 | 619.6 | 947.3 | 1042.9 | 1351.5 | 1715.1 | 1841.9 | 1947.1 | 2081.1 | 2126.5 | 2138.5 |
| 20° | 430.6 | 581.3 | 971.1 | 1095.5 | 1452.0 | 1825.2 | 1947.1 | 2028.5 | 2119.3 | 2148.0 | 2152.8 |
| 22.5° | 385.1 | 540.6 | 985.5 | 1114.7 | 1519.0 | 1892.1 | 1995.0 | 2059.5 | 2121.8 | 2131.3 | 2133.7 |
| 25° | 346.9 | 495.1 | 983.1 | 1136.2 | 1576.3 | 1932.8 | 2011.7 | 2059.5 | 2095.4 | 2100.2 | 2100.2 |
| 27.5° | 310.9 | 444.9 | 973.6 | 1141.0 | 1619.4 | 1942.4 | 2004.6 | 2038.1 | 2054.8 | 2064.3 | 2064.3 |
| 30° | 279.9 | 397.1 | 949.6 | 1131.5 | 1638.5 | 1932.8 | 1983.0 | 1999.8 | 2016.5 | 2030.8 | 2038.1 |
| 32.5° | 256.0 | 351.7 | 913.8 | 1112.3 | 1641.0 | 1908.9 | 1944.7 | 1954.3 | 1978.2 | 2011.7 | 2023.7 |
| 35° | 234.4 | 306.2 | 873.1 | 1086.0 | 1626.6 | 1870.6 | 1894.5 | 1904.1 | 1951.9 | 2002.1 | 2018.9 |
| 37.5° | 212.9 | 272.7 | 820.4 | 1040.6 | 1605.0 | 1825.2 | 1841.9 | 1858.7 | 1932.8 | 1992.5 | 2011.7 |
| 40° | 191.4 | 244.0 | 758.3 | 990.3 | 1571.5 | 1770.1 | 1784.4 | 1810.8 | 1908.9 | 1978.2 | 1997.3 |
| 42.5° | 174.6 | 220.0 | 691.3 | 937.7 | 1528.5 | 1707.9 | 1729.5 | 1767.7 | 1880.1 | 1954.3 | 1975.9 |
| 45° | 160.3 | 196.1 | 619.6 | 865.9 | 1473.5 | 1643.3 | 1674.5 | 1727.0 | 1846.6 | 1918.4 | 1937.6 |
| 47.5° | 145.9 | 179.4 | 545.4 | 791.7 | 1413.7 | 1578.8 | 1619.4 | 1679.3 | 1801.2 | 1870.6 | 1887.4 |
| 50° | 134.0 | 162.7 | 471.2 | 712.8 | 1349.1 | 1509.4 | 1557.2 | 1619.4 | 1743.8 | 1808.4 | 1829.9 |
| 52.5° | 124.4 | 148.3 | 401.9 | 633.9 | 1274.9 | 1437.6 | 1492.6 | 1557.2 | 1674.5 | 1736.6 | 1750.9 |
| 55° | 114.8 | 136.3 | 342.1 | 550.2 | 1198.4 | 1361.1 | 1420.8 | 1483.1 | 1597.9 | 1650.5 | 1660.1 |
| 57.5° | 110.1 | 126.8 | 291.8 | 471.2 | 1117.1 | 1274.9 | 1341.9 | 1399.4 | 1507.0 | 1547.6 | 1557.2 |
| 60° | 102.8 | 119.6 | 253.5 | 404.2 | 1028.6 | 1193.6 | 1251.0 | 1308.4 | 1399.4 | 1432.9 | 1440.0 |
| 62.5° | 95.7 | 114.8 | 224.8 | 339.7 | 937.7 | 1098.0 | 1155.3 | 1208.0 | 1284.5 | 1308.4 | 1318.0 |
| 65° | 90.9 | 110.1 | 203.3 | 291.8 | 844.4 | 997.5 | 1054.9 | 1100.3 | 1162.5 | 1186.5 | 1191.3 |
| 67.5° | 86.1 | 105.3 | 186.6 | 251.2 | 751.1 | 897.0 | 940.1 | 983.1 | 1031.0 | 1054.9 | 1057.3 |
| 70° | 78.9 | 100.5 | 172.3 | 222.5 | 655.4 | 782.2 | 818.1 | 863.5 | 901.8 | 913.8 | 920.9 |
| 72.5° | 74.1 | 93.3 | 162.7 | 200.9 | 557.3 | 672.2 | 705.7 | 732.0 | 765.5 | 777.4 | 777.4 |
| 75° | 67.0 | 83.7 | 153.1 | 179.4 | 456.9 | 550.2 | 578.9 | 605.2 | 631.5 | 636.3 | 629.1 |
| 77.5° | 59.8 | 74.1 | 131.5 | 150.7 | 356.5 | 435.4 | 459.3 | 473.6 | 495.1 | 499.9 | 502.4 |
| 80° | 50.2 | 64.6 | 102.8 | 117.2 | 258.3 | 320.5 | 337.3 | 349.2 | 368.4 | 368.4 | 373.2 |
| 82.5° | 38.3 | 50.2 | 74.1 | 83.7 | 174.6 | 220.0 | 234.4 | 241.6 | 253.5 | 253.5 | 253.5 |
| 85° | 23.9 | 31.1 | 47.9 | 55.0 | 105.3 | 134.0 | 143.6 | 145.9 | 155.5 | 157.9 | 157.9 |
| 87.5° | 11.9 | 16.7 | 31.1 | 33.5 | 55.0 | 69.3 | 69.3 | 74.1 | 74.1 | 71.8 | 69.3 |
| 90° | 5.6 | 10.1 | 14.7 | 15.7 | 24.7 | 36.7 | 42.6 | 37.9 | 28.4 | 21.4 | 21.4 |
| 92.5° | 22.4 | 60.6 | 98.8 | 108.3 | 152.3 | 210.9 | 240.2 | 210.5 | 151.2 | 106.6 | 102.4 |
| 95° | 53.9 | 123.7 | 193.5 | 211.0 | 374.6 | 592.9 | 702.0 | 626.5 | 475.3 | 362.0 | 349.1 |
| 97.5° | 93.1 | 154.8 | 216.4 | 231.8 | 504.7 | 868.6 | 1050.5 | 1002.7 | 907.2 | 835.6 | 811.2 |
| 100° | 123.5 | 179.3 | 235.3 | 249.2 | 552.1 | 955.9 | 1157.7 | 1161.2 | 1168.2 | 1173.5 | 1144.3 |
| 102.5° | 149.3 | 201.4 | 253.5 | 266.6 | 573.7 | 983.3 | 1188.0 | 1248.9 | 1370.6 | 1461.9 | 1436.9 |
| 105° | 193.1 | 237.2 | 281.3 | 292.4 | 589.8 | 986.4 | 1184.7 | 1321.1 | 1593.9 | 1798.6 | 1785.2 |
| 107.5° | 238.0 | 279.2 | 320.2 | 330.6 | 592.8 | 942.5 | 1117.3 | 1307.6 | 1688.2 | 1973.7 | 1977.0 |
| 110° | 268.3 | 305.4 | 342.5 | 351.8 | 588.3 | 903.5 | 1061.2 | 1273.9 | 1699.4 | 2018.6 | 2032.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 298.0 | 333.4 | 368.8 | 377.6 | 588.4 | 869.6 | 1010.2 | 1227.9 | 1663.4 | 1990.0 | 2011.4 |
| 115° | 342.9 | 375.6 | 408.2 | 416.4 | 593.9 | 830.6 | 949.0 | 1158.7 | 1578.2 | 1892.9 | 1922.7 |
| 117.5° | 387.2 | 416.9 | 446.6 | 454.0 | 605.0 | 806.2 | 906.9 | 1096.1 | 1474.8 | 1758.7 | 1791.7 |
| 120° | 413.0 | 440.9 | 468.9 | 475.8 | 613.9 | 798.0 | 890.0 | 1063.0 | 1409.0 | 1668.4 | 1700.4 |
| 122.5° | 438.3 | 466.5 | 494.7 | 501.7 | 626.8 | 793.6 | 877.1 | 1032.9 | 1344.4 | 1578.1 | 1609.6 |
| 125° | 477.0 | 502.7 | 528.3 | 534.8 | 644.2 | 790.1 | 863.1 | 995.4 | 1260.0 | 1458.5 | 1487.6 |
| 127.5° | 508.4 | 534.4 | 560.3 | 566.8 | 661.7 | 788.1 | 851.3 | 964.9 | 1192.1 | 1362.5 | 1387.1 |
| 130° | 525.3 | 553.1 | 581.1 | 588.1 | 674.3 | 789.4 | 846.9 | 948.0 | 1150.3 | 1302.0 | 1324.7 |
| 132.5° | 542.6 | 570.6 | 598.6 | 605.6 | 684.7 | 790.1 | 842.9 | 933.4 | 1114.5 | 1250.3 | 1270.7 |
| 135° | 568.4 | 593.9 | 619.4 | 625.7 | 695.9 | 789.4 | 836.2 | 912.0 | 1063.7 | 1177.3 | 1194.9 |
| 137.5° | 594.9 | 620.0 | 645.2 | 651.5 | 712.7 | 794.3 | 835.0 | 899.1 | 1027.4 | 1123.5 | 1137.8 |
| 140° | 616.8 | 639.9 | 663.1 | 668.9 | 723.0 | 795.1 | 831.1 | 886.5 | 997.2 | 1080.3 | 1093.7 |
| 142.5° | 633.6 | 655.1 | 676.5 | 681.9 | 731.6 | 798.0 | 831.1 | 879.7 | 977.0 | 1050.0 | 1061.5 |
| 145° | 659.4 | 678.1 | 696.8 | 701.5 | 742.9 | 798.0 | 825.5 | 865.3 | 944.9 | 1004.5 | 1013.2 |
| 147.5° | 685.2 | 703.4 | 721.7 | 726.2 | 759.3 | 803.4 | 825.5 | 856.8 | 919.4 | 966.3 | 973.6 |
| 150° | 702.0 | 718.5 | 735.0 | 739.1 | 767.8 | 806.3 | 825.5 | 851.9 | 904.8 | 944.4 | 950.3 |
| 152.5° | 719.4 | 731.9 | 744.4 | 747.5 | 773.5 | 808.1 | 825.5 | 848.0 | 893.2 | 927.1 | 931.5 |
| 155° | 745.2 | 754.5 | 763.7 | 766.0 | 785.9 | 812.3 | 825.5 | 843.4 | 879.4 | 906.3 | 909.2 |
| 157.5° | 764.3 | 773.3 | 782.2 | 784.5 | 798.2 | 816.4 | 825.5 | 839.4 | 867.4 | 888.3 | 890.4 |
| 160° | 777.3 | 784.2 | 791.2 | 792.9 | 803.8 | 818.3 | 825.5 | 837.5 | 861.4 | 879.4 | 880.5 |
| 162.5° | 790.1 | 795.4 | 800.6 | 802.0 | 809.8 | 820.3 | 825.5 | 835.6 | 855.8 | 870.9 | 872.0 |
| 165° | 804.1 | 808.9 | 813.6 | 814.8 | 818.4 | 823.2 | 825.5 | 832.7 | 847.2 | 858.1 | 859.3 |
| 167.5° | 817.1 | 819.4 | 821.6 | 822.2 | 825.1 | 829.1 | 831.1 | 835.8 | 845.3 | 852.5 | 852.9 |
| 170° | 825.5 | 827.8 | 830.0 | 830.6 | 830.8 | 831.0 | 831.1 | 835.8 | 845.3 | 852.5 | 852.5 |
| 172.5° | 830.0 | 830.5 | 831.0 | 831.1 | 831.1 | 831.1 | 831.1 | 834.8 | 842.3 | 848.0 | 847.5 |
| 175° | 836.2 | 836.2 | 836.2 | 836.2 | 834.5 | 832.2 | 831.1 | 833.5 | 838.3 | 841.8 | 841.8 |
| 177.5° | 836.2 | 836.2 | 836.2 | 836.2 | 834.8 | 833.1 | 832.2 | 834.1 | 837.8 | 840.6 | 840.2 |
| 180° | 836.2 | 836.2 | 836.2 | 836.2 | 836.2 | 836.2 | 836.2 | 836.2 | 836.2 | 836.2 | 836.2 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 744.0 | 744.0 |
| 2.5° | 794.2 | 789.4 |
| 5° | 1021.4 | 1026.2 |
| 7.5° | 1375.4 | 1373.0 |
| 10° | 1710.3 | 1731.8 |
| 12.5° | 1954.3 | 1959.1 |
| 15° | 2102.6 | 2112.2 |
| 17.5° | 2160.0 | 2162.4 |
| 20° | 2162.4 | 2157.6 |
| 22.5° | 2136.1 | 2131.3 |
| 25° | 2105.0 | 2102.6 |
| 27.5° | 2076.3 | 2078.7 |
| 30° | 2064.3 | 2071.6 |
| 32.5° | 2064.3 | 2076.3 |
| 35° | 2069.1 | 2081.1 |
| 37.5° | 2066.8 | 2081.1 |
| 40° | 2057.2 | 2073.9 |
| 42.5° | 2030.8 | 2042.8 |
| 45° | 1990.2 | 2004.6 |
| 47.5° | 1937.6 | 1947.1 |
| 50° | 1870.6 | 1880.1 |
| 52.5° | 1786.9 | 1789.2 |
| 55° | 1686.4 | 1696.0 |
| 57.5° | 1578.8 | 1581.1 |
| 60° | 1459.1 | 1466.4 |
| 62.5° | 1332.4 | 1332.4 |
| 65° | 1198.4 | 1203.2 |
| 67.5° | 1059.7 | 1071.6 |
| 70° | 918.6 | 920.9 |
| 72.5° | 779.8 | 779.8 |
| 75° | 636.3 | 638.7 |
| 77.5° | 499.9 | 499.9 |
| 80° | 370.8 | 373.2 |
| 82.5° | 256.0 | 260.8 |
| 85° | 160.3 | 160.3 |
| 87.5° | 74.1 | 67.0 |
| 90° | 21.4 | 21.4 |
| 92.5° | 85.4 | 68.4 |
| 95° | 297.8 | 246.4 |
| 97.5° | 713.4 | 615.6 |
| 100° | 1027.9 | 911.4 |
| 102.5° | 1337.2 | 1237.4 |
| 105° | 1731.5 | 1677.9 |
| 107.5° | 1989.9 | 2002.8 |
| 110° | 2088.5 | 2144.3 |



TEST NUMBER: P937267

CATALOG NUMBER: SQ4-FB-075U-100D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 2097.2 | 2183.0 |
| 115° | 2041.6 | 2160.5 |
| 117.5° | 1923.6 | 2055.6 |
| 120° | 1828.7 | 1956.9 |
| 122.5° | 1736.1 | 1862.5 |
| 125° | 1604.1 | 1720.6 |
| 127.5° | 1485.4 | 1583.7 |
| 130° | 1415.4 | 1506.2 |
| 132.5° | 1351.9 | 1433.2 |
| 135° | 1265.0 | 1335.0 |
| 137.5° | 1195.2 | 1252.6 |
| 140° | 1147.4 | 1201.0 |
| 142.5° | 1107.6 | 1153.8 |
| 145° | 1048.2 | 1083.1 |
| 147.5° | 1002.5 | 1031.4 |
| 150° | 973.8 | 997.2 |
| 152.5° | 949.2 | 966.9 |
| 155° | 921.0 | 932.7 |
| 157.5° | 898.6 | 906.9 |
| 160° | 885.3 | 890.0 |
| 162.5° | 876.6 | 881.1 |
| 165° | 864.0 | 868.7 |
| 167.5° | 854.9 | 856.9 |
| 170° | 852.5 | 852.5 |
| 172.5° | 845.8 | 844.1 |
| 175° | 841.8 | 841.8 |
| 177.5° | 838.2 | 836.2 |
| 180° | 836.2 | 836.2 |



TEST NUMBER: P937267

CATALOG NUMBER: SQ4-FB-075U-100D-93050-1D-UNV-STD-W-8-4000K

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 | 6.36 | 6.38 | 7.32 | 8.57 | 18.63 | 19.54 | 19.56 | 20.50 | 21.74 |
| | 3H | 6.16 | 6.98 | 7.10 | 7.95 | 9.22 | 20.47 | 21.29 | 21.42 | 22.26 | 23.53 |
| | 4H | 6.46 | 7.24 | 7.42 | 8.21 | 9.49 | 21.12 | 21.90 | 22.08 | 22.87 | 24.15 |
| | 6H | 6.71 | 7.43 | 7.68 | 8.41 | 9.70 | 21.55 | 22.27 | 22.52 | 23.25 | 24.54 |
| | 8H | 6.78 | 7.47 | 7.76 | 8.46 | 9.75 | 21.67 | 22.36 | 22.65 | 23.35 | 24.64 |
| | 12H | 6.80 | 7.45 | 7.78 | 8.44 | 9.75 | 21.74 | 22.40 | 22.73 | 23.38 | 24.70 |
| 4H | 2H | 12.67 | 13.45 | 13.64 | 14.42 | 15.70 | 18.91 | 19.69 | 19.87 | 20.66 | 21.94 |
| | 3H | 14.24 | 14.89 | 15.22 | 15.90 | 17.19 | 20.96 | 21.61 | 21.93 | 22.61 | 23.90 |
| | 4H | 14.34 | 14.94 | 15.32 | 15.93 | 17.25 | 21.73 | 22.32 | 22.71 | 23.32 | 24.63 |
| | 6H | 14.35 | 14.87 | 15.35 | 15.89 | 17.20 | 22.27 | 22.78 | 23.27 | 23.80 | 25.12 |
| | 8H | 14.33 | 14.81 | 15.33 | 15.82 | 17.15 | 22.43 | 22.91 | 23.43 | 23.93 | 25.26 |
| | 12H | 14.29 | 14.73 | 15.31 | 15.75 | 17.09 | 22.53 | 22.96 | 23.55 | 23.99 | 25.33 |
| 8H | 4H | 15.79 | 16.27 | 16.79 | 17.28 | 18.61 | 21.79 | 22.27 | 22.79 | 23.29 | 24.61 |
| | 6H | 16.03 | 16.43 | 17.06 | 17.49 | 18.81 | 22.42 | 22.82 | 23.45 | 23.88 | 25.20 |
| | 8H | 16.05 | 16.40 | 17.08 | 17.44 | 18.79 | 22.64 | 23.00 | 23.68 | 24.04 | 25.38 |
| | 12H | 16.02 | 16.33 | 17.06 | 17.37 | 18.76 | 22.79 | 23.10 | 23.83 | 24.14 | 25.52 |
| 12H | 4H | 15.93 | 16.37 | 16.95 | 17.40 | 18.73 | 21.75 | 22.18 | 22.77 | 23.21 | 24.54 |
| | 6H | 16.29 | 16.65 | 17.33 | 17.68 | 19.03 | 22.41 | 22.76 | 23.44 | 23.80 | 25.14 |
| | 8H | 16.36 | 16.67 | 17.40 | 17.71 | 19.10 | 22.64 | 22.95 | 23.68 | 23.98 | 25.37 |