

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: P938120

Luminaire Tested: SQ4-FB-125U-125D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938120
REPORT IS A COMBINATION OF REPORTS P933616 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-125D-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

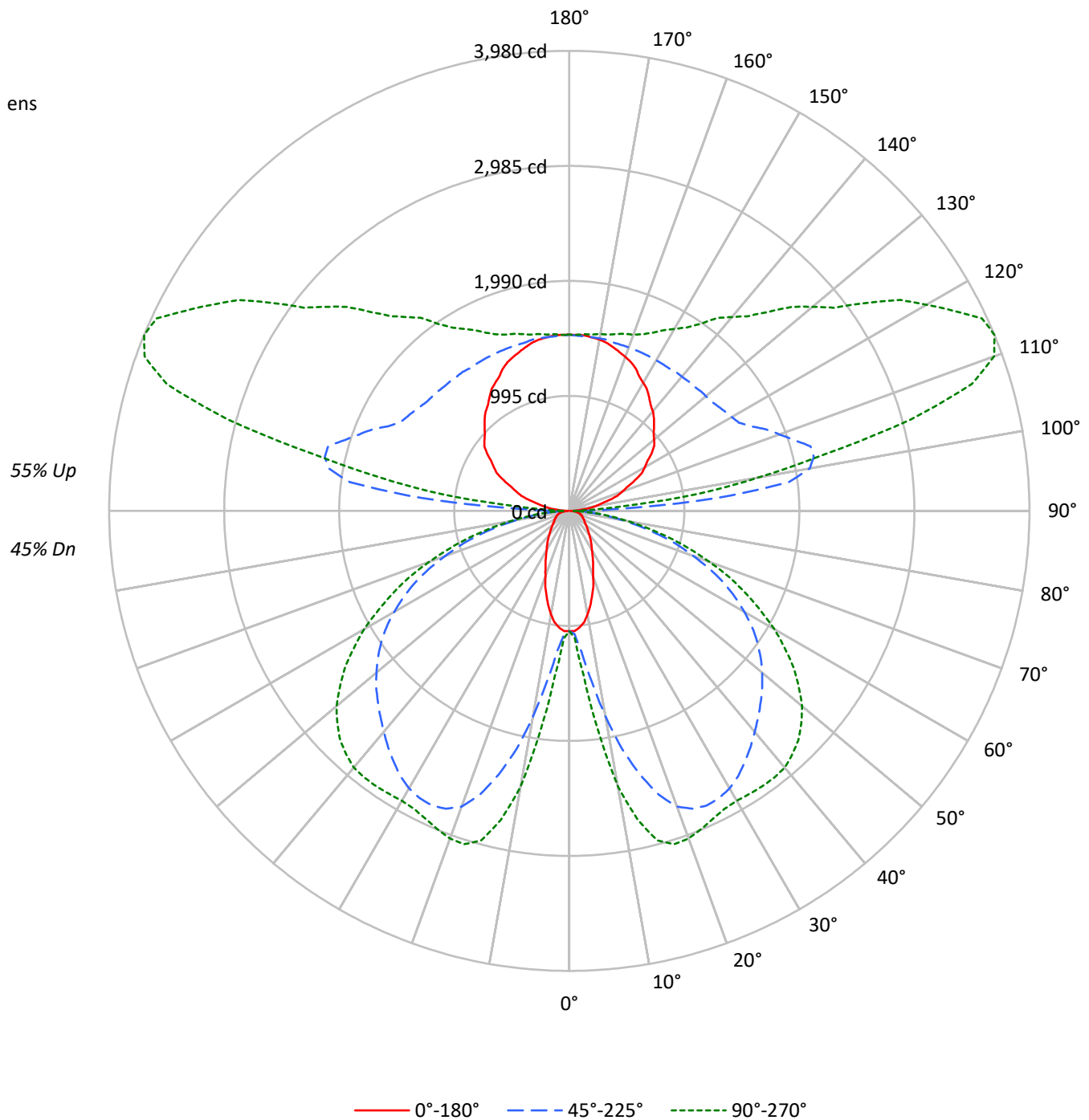
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17933.2 lumens
Efficiency: N/A
Efficacy: 119.2 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): 150.4
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: P938120
CATALOG NUMBER: SQ4-FB-125U-125D-840-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P938120

CATALOG NUMBER: SQ4-FB-125U-125D-840-1D-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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 | 45 | 45 | 45 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 81 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 44 | 42 | 37 | 37 | 37 | 37 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 61 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 | 30 | 30 | 30 | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 | 25 | 25 | 25 | 25 |
| 4 | 72 | 61 | 53 | 47 | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 25 | 21 | 21 | 21 | 21 |
| 5 | 66 | 54 | 46 | 39 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 27 | 23 | 21 | 18 | 18 | 18 | 18 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 18 | 15 | 15 | 15 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 22 | 18 | 16 | 13 | 13 | 13 | 13 |
| 8 | 52 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 12 | 12 | 12 | 12 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 10 | 10 | 10 | 10 |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 13 | 11 | 9 | 9 | 9 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4825 | 4825 | 4825 |
| 5° | 4714 | 5577 | 6486 |
| 10° | 4276 | 8129 | 10752 |
| 15° | 3634 | 10621 | 12983 |
| 20° | 2958 | 12308 | 13232 |
| 25° | 2468 | 12879 | 12963 |
| 30° | 2081 | 12961 | 12939 |
| 35° | 1840 | 12745 | 13273 |
| 40° | 1604 | 12466 | 13619 |
| 45° | 1452 | 12261 | 13672 |
| 50° | 1331 | 12077 | 13446 |
| 55° | 1276 | 11807 | 12850 |
| 60° | 1306 | 11288 | 11909 |
| 65° | 1359 | 10500 | 10616 |
| 70° | 1448 | 9157 | 8969 |
| 75° | 1605 | 7467 | 6999 |
| 80° | 1751 | 5178 | 4716 |
| 85° | 1556 | 2748 | 2414 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 13672 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 134.5 | 0.8 |
| 10°-20° | 596.2 | 3.3 |
| 20°-30° | 1042.9 | 5.8 |
| 30°-40° | 1342.5 | 7.5 |
| 40°-50° | 1499.5 | 8.4 |
| 50°-60° | 1436.2 | 8.0 |
| 60°-70° | 1138.2 | 6.3 |
| 70°-80° | 669.3 | 3.7 |
| 80°-90° | 191.8 | 1.1 |
| 90°-100° | 743.1 | 4.1 |
| 100°-110° | 1953.6 | 10.9 |
| 110°-120° | 2025.6 | 11.3 |
| 120°-130° | 1624.8 | 9.1 |
| 130°-140° | 1274.9 | 7.1 |
| 140°-150° | 978.5 | 5.5 |
| 150°-160° | 704.7 | 3.9 |
| 160°-170° | 431.2 | 2.4 |
| 170°-180° | 145.7 | 0.8 |
| 0°-30° | 1773.6 | 9.9 |
| 0°-40° | 3116.1 | 17.4 |
| 0°-60° | 6051.9 | 33.7 |
| 0°-90° | 8051.1 | 44.9 |
| 90°-120° | 4722.3 | 26.3 |
| 90°-150° | 8600.5 | 48.0 |
| 90°-180° | 9882.0 | 55.1 |
| 0°-180° | 17933.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1040 | 1040 | 1040 | 1040 | 1040 | |
| 5° | 1013 | 1087 | 1224 | 1384 | 1435 | 94 |
| 15° | 759 | 1401 | 2361 | 2862 | 2953 | 211 |
| 25° | 485 | 1588 | 2812 | 2936 | 2939 | 223 |
| 35° | 328 | 1518 | 2648 | 2799 | 2909 | 205 |
| 45° | 224 | 1210 | 2341 | 2682 | 2802 | 173 |
| 55° | 161 | 769 | 1986 | 2307 | 2371 | 146 |
| 65° | 127 | 408 | 1475 | 1659 | 1682 | 126 |
| 75° | 94 | 251 | 809 | 890 | 893 | 98 |
| 85° | 33 | 77 | 201 | 221 | 224 | 35 |
| 90° | 10 | 29 | 78 | 39 | 39 | 11 |
| 95° | 98 | 385 | 1280 | 660 | 449 | 109 |
| 105° | 352 | 533 | 2160 | 3279 | 3059 | 373 |
| 115° | 625 | 759 | 1730 | 3451 | 3939 | 617 |
| 125° | 870 | 975 | 1574 | 2659 | 3137 | 772 |
| 135° | 1036 | 1141 | 1524 | 2146 | 2434 | 802 |
| 145° | 1202 | 1279 | 1505 | 1831 | 1974 | 753 |
| 155° | 1359 | 1396 | 1505 | 1652 | 1700 | 624 |
| 165° | 1466 | 1486 | 1505 | 1564 | 1584 | 414 |
| 175° | 1524 | 1524 | 1515 | 1535 | 1535 | 145 |
| 180° | 1524 | 1524 | 1524 | 1524 | 1524 | |



TEST NUMBER: P938120

CATALOG NUMBER: SQ4-FB-125U-125D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1040.0 | 1040.0 | 1040.0 | 1040.0 | 1040.0 | 1040.0 | 1040.0 | 1040.0 | 1040.0 | 1040.0 | 1040.0 |
| 2.5° | 1040.0 | 1040.0 | 1046.7 | 1050.0 | 1056.7 | 1060.0 | 1066.7 | 1073.5 | 1093.5 | 1096.9 | 1103.5 |
| 5° | 1013.2 | 1026.6 | 1070.1 | 1086.8 | 1133.6 | 1197.2 | 1223.9 | 1267.4 | 1357.6 | 1384.4 | 1401.1 |
| 7.5° | 973.1 | 1003.2 | 1110.2 | 1137.0 | 1254.0 | 1421.2 | 1491.4 | 1585.0 | 1728.8 | 1799.0 | 1856.0 |
| 10° | 909.6 | 973.1 | 1163.7 | 1227.2 | 1417.9 | 1672.0 | 1802.4 | 1932.8 | 2150.2 | 2247.2 | 2284.0 |
| 12.5° | 839.3 | 943.0 | 1220.6 | 1307.5 | 1581.7 | 1952.9 | 2110.1 | 2253.8 | 2501.3 | 2631.7 | 2651.8 |
| 15° | 759.1 | 899.6 | 1274.0 | 1401.1 | 1755.6 | 2186.9 | 2360.8 | 2538.1 | 2768.9 | 2862.4 | 2885.8 |
| 17.5° | 688.8 | 866.1 | 1324.2 | 1458.0 | 1889.4 | 2397.7 | 2574.8 | 2722.0 | 2909.3 | 2972.8 | 2989.5 |
| 20° | 601.9 | 812.6 | 1357.6 | 1531.5 | 2029.8 | 2551.5 | 2722.0 | 2835.7 | 2962.8 | 3002.9 | 3009.5 |
| 22.5° | 538.4 | 755.7 | 1377.8 | 1558.3 | 2123.4 | 2645.1 | 2788.9 | 2879.1 | 2966.1 | 2979.5 | 2982.9 |
| 25° | 484.9 | 692.2 | 1374.4 | 1588.4 | 2203.7 | 2702.0 | 2812.3 | 2879.1 | 2929.3 | 2936.0 | 2936.0 |
| 27.5° | 434.7 | 621.9 | 1361.0 | 1595.1 | 2263.9 | 2715.3 | 2802.3 | 2849.1 | 2872.5 | 2885.8 | 2885.8 |
| 30° | 391.2 | 555.1 | 1327.6 | 1581.7 | 2290.7 | 2702.0 | 2772.1 | 2795.5 | 2819.0 | 2839.0 | 2849.1 |
| 32.5° | 357.9 | 491.5 | 1277.4 | 1554.9 | 2293.9 | 2668.5 | 2718.7 | 2732.0 | 2765.5 | 2812.3 | 2829.0 |
| 35° | 327.7 | 428.0 | 1220.6 | 1518.2 | 2273.9 | 2615.0 | 2648.4 | 2661.8 | 2728.7 | 2798.9 | 2822.3 |
| 37.5° | 297.6 | 381.2 | 1147.0 | 1454.6 | 2243.8 | 2551.5 | 2574.8 | 2598.2 | 2702.0 | 2785.6 | 2812.3 |
| 40° | 267.6 | 341.1 | 1060.0 | 1384.4 | 2197.0 | 2474.5 | 2494.6 | 2531.4 | 2668.5 | 2765.5 | 2792.2 |
| 42.5° | 244.1 | 307.7 | 966.5 | 1310.9 | 2136.8 | 2387.6 | 2417.7 | 2471.2 | 2628.4 | 2732.0 | 2762.2 |
| 45° | 224.1 | 274.2 | 866.1 | 1210.5 | 2059.9 | 2297.3 | 2340.8 | 2414.4 | 2581.5 | 2681.9 | 2708.6 |
| 47.5° | 204.0 | 250.8 | 762.4 | 1106.9 | 1976.3 | 2207.0 | 2263.9 | 2347.5 | 2518.0 | 2615.0 | 2638.5 |
| 50° | 187.2 | 227.4 | 658.8 | 996.5 | 1886.0 | 2110.1 | 2177.0 | 2263.9 | 2437.8 | 2528.1 | 2558.1 |
| 52.5° | 173.9 | 207.3 | 561.8 | 886.1 | 1782.4 | 2009.7 | 2086.7 | 2177.0 | 2340.8 | 2427.7 | 2447.8 |
| 55° | 160.6 | 190.6 | 478.2 | 769.2 | 1675.4 | 1902.7 | 1986.4 | 2073.3 | 2233.8 | 2307.4 | 2320.7 |
| 57.5° | 153.8 | 177.2 | 407.9 | 658.8 | 1561.6 | 1782.4 | 1876.0 | 1956.2 | 2106.7 | 2163.5 | 2177.0 |
| 60° | 143.8 | 167.2 | 354.5 | 565.1 | 1437.9 | 1668.6 | 1748.9 | 1829.2 | 1956.2 | 2003.1 | 2013.0 |
| 62.5° | 133.8 | 160.6 | 314.4 | 474.8 | 1310.9 | 1534.9 | 1615.2 | 1688.7 | 1795.7 | 1829.2 | 1842.5 |
| 65° | 127.1 | 153.8 | 284.2 | 407.9 | 1180.5 | 1394.5 | 1474.7 | 1538.2 | 1625.2 | 1658.7 | 1665.3 |
| 67.5° | 120.3 | 147.1 | 260.8 | 351.1 | 1050.0 | 1254.0 | 1314.1 | 1374.4 | 1441.3 | 1474.7 | 1478.0 |
| 70° | 110.4 | 140.5 | 240.8 | 311.0 | 916.3 | 1093.5 | 1143.6 | 1207.1 | 1260.7 | 1277.4 | 1287.5 |
| 72.5° | 103.6 | 130.4 | 227.4 | 280.9 | 779.1 | 939.7 | 986.5 | 1023.3 | 1070.1 | 1086.8 | 1086.8 |
| 75° | 93.7 | 117.1 | 214.0 | 250.8 | 638.7 | 769.2 | 809.3 | 846.0 | 882.8 | 889.5 | 879.5 |
| 77.5° | 83.6 | 103.6 | 184.0 | 210.6 | 498.2 | 608.6 | 642.0 | 662.2 | 692.2 | 698.9 | 702.3 |
| 80° | 70.2 | 90.3 | 143.8 | 163.8 | 361.1 | 448.1 | 471.5 | 488.3 | 514.9 | 514.9 | 521.7 |
| 82.5° | 53.5 | 70.2 | 103.6 | 117.1 | 244.1 | 307.7 | 327.7 | 337.7 | 354.5 | 354.5 | 354.5 |
| 85° | 33.4 | 43.5 | 66.9 | 76.9 | 147.1 | 187.2 | 200.7 | 204.0 | 217.4 | 220.7 | 220.7 |
| 87.5° | 16.7 | 23.4 | 43.5 | 46.8 | 76.9 | 97.0 | 97.0 | 103.6 | 103.6 | 100.3 | 97.0 |
| 90° | 10.3 | 18.5 | 26.6 | 28.7 | 45.1 | 66.9 | 77.8 | 69.1 | 51.8 | 38.8 | 38.8 |
| 92.5° | 40.9 | 110.5 | 180.1 | 197.5 | 277.6 | 384.4 | 437.9 | 383.7 | 275.6 | 194.3 | 186.6 |
| 95° | 98.2 | 225.6 | 352.9 | 384.7 | 683.1 | 1081.0 | 1279.9 | 1142.1 | 866.6 | 659.9 | 636.5 |
| 97.5° | 169.8 | 282.2 | 394.5 | 422.6 | 920.1 | 1583.6 | 1915.2 | 1828.2 | 1654.0 | 1523.4 | 1478.8 |
| 100° | 225.1 | 326.9 | 428.8 | 454.3 | 1006.4 | 1742.5 | 2110.7 | 2117.0 | 2129.7 | 2139.3 | 2086.3 |
| 102.5° | 272.1 | 367.1 | 462.2 | 486.0 | 1046.0 | 1792.6 | 2165.9 | 2276.8 | 2498.8 | 2665.1 | 2619.7 |
| 105° | 351.9 | 432.4 | 512.9 | 533.0 | 1075.2 | 1798.3 | 2159.8 | 2408.4 | 2905.9 | 3279.0 | 3254.6 |
| 107.5° | 433.8 | 508.8 | 583.8 | 602.6 | 1080.7 | 1718.2 | 2037.0 | 2383.9 | 3077.8 | 3598.2 | 3604.1 |
| 110° | 489.1 | 556.8 | 624.6 | 641.5 | 1072.6 | 1647.3 | 1934.7 | 2322.6 | 3098.3 | 3680.0 | 3705.5 |



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CATALOG NUMBER: SQ4-FB-125U-125D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 543.3 | 607.8 | 672.4 | 688.5 | 1072.9 | 1585.3 | 1841.5 | 2238.5 | 3032.4 | 3627.8 | 3667.0 |
| 115° | 625.1 | 684.7 | 744.2 | 759.1 | 1082.7 | 1514.3 | 1730.1 | 2112.4 | 2877.3 | 3450.9 | 3505.1 |
| 117.5° | 705.9 | 760.1 | 814.1 | 827.6 | 1102.9 | 1469.8 | 1653.3 | 1998.4 | 2688.6 | 3206.4 | 3266.5 |
| 120° | 753.0 | 803.9 | 854.8 | 867.6 | 1119.2 | 1454.8 | 1622.6 | 1938.0 | 2568.6 | 3041.7 | 3100.0 |
| 122.5° | 799.0 | 850.4 | 901.7 | 914.6 | 1142.7 | 1446.9 | 1599.1 | 1883.0 | 2451.0 | 2877.0 | 2934.6 |
| 125° | 869.6 | 916.5 | 963.3 | 975.0 | 1174.4 | 1440.5 | 1573.5 | 1814.8 | 2297.2 | 2659.0 | 2712.1 |
| 127.5° | 926.9 | 974.3 | 1021.5 | 1033.3 | 1206.2 | 1436.7 | 1552.0 | 1759.1 | 2173.4 | 2484.0 | 2528.8 |
| 130° | 957.6 | 1008.6 | 1059.4 | 1072.2 | 1229.4 | 1439.0 | 1543.8 | 1728.2 | 2097.0 | 2373.6 | 2415.0 |
| 132.5° | 989.3 | 1040.3 | 1091.1 | 1103.9 | 1248.1 | 1440.5 | 1536.6 | 1701.7 | 2031.8 | 2279.4 | 2316.5 |
| 135° | 1036.4 | 1082.7 | 1129.2 | 1140.7 | 1268.6 | 1439.1 | 1524.4 | 1662.6 | 1939.0 | 2146.4 | 2178.3 |
| 137.5° | 1084.4 | 1130.4 | 1176.3 | 1187.8 | 1299.3 | 1448.0 | 1522.3 | 1639.2 | 1873.0 | 2048.2 | 2074.4 |
| 140° | 1124.3 | 1166.6 | 1208.9 | 1219.5 | 1318.1 | 1449.5 | 1515.2 | 1616.2 | 1818.0 | 1969.5 | 1993.9 |
| 142.5° | 1155.1 | 1194.2 | 1233.2 | 1243.0 | 1333.7 | 1454.7 | 1515.2 | 1603.8 | 1781.2 | 1914.2 | 1935.2 |
| 145° | 1202.1 | 1236.2 | 1270.4 | 1278.9 | 1354.3 | 1454.7 | 1504.9 | 1577.4 | 1722.6 | 1831.4 | 1847.3 |
| 147.5° | 1249.2 | 1282.4 | 1315.6 | 1323.9 | 1384.3 | 1464.7 | 1504.9 | 1562.0 | 1676.1 | 1761.8 | 1774.9 |
| 150° | 1279.9 | 1309.9 | 1339.9 | 1347.4 | 1399.9 | 1469.9 | 1504.9 | 1553.1 | 1649.6 | 1721.9 | 1732.6 |
| 152.5° | 1311.6 | 1334.3 | 1357.0 | 1362.7 | 1410.2 | 1473.3 | 1504.9 | 1546.1 | 1628.4 | 1690.2 | 1698.3 |
| 155° | 1358.7 | 1375.5 | 1392.3 | 1396.5 | 1432.7 | 1480.8 | 1504.9 | 1537.7 | 1603.2 | 1652.3 | 1657.7 |
| 157.5° | 1393.5 | 1409.8 | 1426.2 | 1430.2 | 1455.1 | 1488.3 | 1504.9 | 1530.4 | 1581.3 | 1619.5 | 1623.3 |
| 160° | 1417.0 | 1429.7 | 1442.5 | 1445.6 | 1465.4 | 1491.8 | 1504.9 | 1526.8 | 1570.4 | 1603.1 | 1605.3 |
| 162.5° | 1440.5 | 1450.0 | 1459.6 | 1461.9 | 1476.3 | 1495.3 | 1504.9 | 1523.3 | 1560.2 | 1587.8 | 1589.9 |
| 165° | 1466.1 | 1474.8 | 1483.4 | 1485.6 | 1492.0 | 1500.6 | 1504.9 | 1518.2 | 1544.5 | 1564.3 | 1566.5 |
| 167.5° | 1489.6 | 1493.7 | 1497.8 | 1498.8 | 1504.2 | 1511.5 | 1515.2 | 1523.8 | 1541.1 | 1554.0 | 1554.9 |
| 170° | 1504.9 | 1509.1 | 1513.2 | 1514.2 | 1514.5 | 1515.0 | 1515.2 | 1523.8 | 1541.1 | 1554.0 | 1554.0 |
| 172.5° | 1513.1 | 1514.0 | 1515.0 | 1515.2 | 1515.2 | 1515.2 | 1515.2 | 1522.0 | 1535.6 | 1545.9 | 1545.1 |
| 175° | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1521.3 | 1517.3 | 1515.2 | 1519.5 | 1528.1 | 1534.7 | 1534.7 |
| 177.5° | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1522.0 | 1518.9 | 1517.3 | 1520.6 | 1527.4 | 1532.6 | 1531.7 |
| 180° | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1524.4 | 1524.4 |



TEST NUMBER: P938120

CATALOG NUMBER: SQ4-FB-125U-125D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1040.0 | 1040.0 |
| 2.5° | 1110.2 | 1103.5 |
| 5° | 1427.9 | 1434.6 |
| 7.5° | 1922.7 | 1919.5 |
| 10° | 2391.0 | 2421.1 |
| 12.5° | 2732.0 | 2738.7 |
| 15° | 2939.4 | 2952.7 |
| 17.5° | 3019.6 | 3023.0 |
| 20° | 3023.0 | 3016.3 |
| 22.5° | 2986.2 | 2979.5 |
| 25° | 2942.8 | 2939.4 |
| 27.5° | 2902.5 | 2905.9 |
| 30° | 2885.8 | 2895.9 |
| 32.5° | 2885.8 | 2902.5 |
| 35° | 2892.6 | 2909.3 |
| 37.5° | 2889.2 | 2909.3 |
| 40° | 2875.9 | 2899.3 |
| 42.5° | 2839.0 | 2855.8 |
| 45° | 2782.2 | 2802.3 |
| 47.5° | 2708.6 | 2722.0 |
| 50° | 2615.0 | 2628.4 |
| 52.5° | 2498.0 | 2501.3 |
| 55° | 2357.5 | 2370.9 |
| 57.5° | 2207.0 | 2210.4 |
| 60° | 2039.8 | 2049.9 |
| 62.5° | 1862.6 | 1862.6 |
| 65° | 1675.4 | 1682.1 |
| 67.5° | 1481.4 | 1498.1 |
| 70° | 1284.1 | 1287.5 |
| 72.5° | 1090.2 | 1090.2 |
| 75° | 889.5 | 892.9 |
| 77.5° | 698.9 | 698.9 |
| 80° | 518.3 | 521.7 |
| 82.5° | 357.9 | 364.5 |
| 85° | 224.1 | 224.1 |
| 87.5° | 103.6 | 93.7 |
| 90° | 38.8 | 38.8 |
| 92.5° | 155.7 | 124.8 |
| 95° | 542.8 | 449.1 |
| 97.5° | 1300.6 | 1122.4 |
| 100° | 1873.8 | 1661.5 |
| 102.5° | 2437.8 | 2255.9 |
| 105° | 3156.8 | 3059.0 |
| 107.5° | 3627.7 | 3651.4 |
| 110° | 3807.4 | 3909.2 |



TEST NUMBER: P938120
CATALOG NUMBER: SQ4-FB-125U-125D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 3823.4 | 3979.8 |
| 115° | 3722.0 | 3938.9 |
| 117.5° | 3507.0 | 3747.6 |
| 120° | 3333.8 | 3567.5 |
| 122.5° | 3165.2 | 3395.7 |
| 125° | 2924.5 | 3136.8 |
| 127.5° | 2708.0 | 2887.1 |
| 130° | 2580.5 | 2745.9 |
| 132.5° | 2464.8 | 2613.0 |
| 135° | 2306.2 | 2433.9 |
| 137.5° | 2178.9 | 2283.6 |
| 140° | 2091.7 | 2189.4 |
| 142.5° | 2019.3 | 2103.5 |
| 145° | 1910.9 | 1974.5 |
| 147.5° | 1827.7 | 1880.5 |
| 150° | 1775.3 | 1818.0 |
| 152.5° | 1730.5 | 1762.8 |
| 155° | 1679.0 | 1700.3 |
| 157.5° | 1638.3 | 1653.3 |
| 160° | 1613.9 | 1622.6 |
| 162.5° | 1598.1 | 1606.3 |
| 165° | 1575.1 | 1583.8 |
| 167.5° | 1558.6 | 1562.2 |
| 170° | 1554.0 | 1554.0 |
| 172.5° | 1541.9 | 1538.7 |
| 175° | 1534.7 | 1534.7 |
| 177.5° | 1528.0 | 1524.4 |
| 180° | 1524.4 | 1524.4 |



TEST NUMBER: P938120
 CATALOG NUMBER: SQ4-FB-125U-125D-840-1D-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 | 5.99 | 6.84 | 6.98 | 7.85 | 9.19 | 19.17 | 20.02 | 20.16 | 21.03 | 22.37 |
| | 3H | 6.69 | 7.46 | 7.69 | 8.47 | 9.83 | 21.01 | 21.77 | 22.01 | 22.79 | 24.15 |
| | 4H | 6.99 | 7.72 | 8.01 | 8.74 | 10.10 | 21.65 | 22.38 | 22.67 | 23.40 | 24.76 |
| | 6H | 7.24 | 7.91 | 8.27 | 8.93 | 10.31 | 22.08 | 22.75 | 23.11 | 23.77 | 25.15 |
| | 8H | 7.31 | 7.94 | 8.34 | 8.99 | 10.36 | 22.20 | 22.84 | 23.23 | 23.88 | 25.26 |
| | 12H | 7.33 | 7.93 | 8.36 | 8.97 | 10.37 | 22.27 | 22.87 | 23.31 | 23.91 | 25.31 |
| 4H | 2H | 13.20 | 13.93 | 14.22 | 14.95 | 16.32 | 19.44 | 20.16 | 20.46 | 21.19 | 22.55 |
| | 3H | 14.77 | 15.38 | 15.80 | 16.43 | 17.81 | 21.48 | 22.09 | 22.52 | 23.14 | 24.52 |
| | 4H | 14.86 | 15.42 | 15.90 | 16.46 | 17.86 | 22.25 | 22.81 | 23.29 | 23.85 | 25.25 |
| | 6H | 14.87 | 15.35 | 15.92 | 16.42 | 17.82 | 22.79 | 23.27 | 23.84 | 24.33 | 25.73 |
| | 8H | 14.85 | 15.30 | 15.90 | 16.36 | 17.77 | 22.95 | 23.40 | 24.00 | 24.46 | 25.87 |
| | 12H | 14.81 | 15.21 | 15.87 | 16.28 | 17.70 | 23.04 | 23.45 | 24.11 | 24.52 | 25.94 |
| 8H | 4H | 16.31 | 16.76 | 17.36 | 17.81 | 19.23 | 22.31 | 22.76 | 23.36 | 23.82 | 25.23 |
| | 6H | 16.55 | 16.92 | 17.62 | 18.02 | 19.43 | 22.94 | 23.31 | 24.01 | 24.41 | 25.82 |
| | 8H | 16.57 | 16.89 | 17.65 | 17.98 | 19.41 | 23.16 | 23.49 | 24.24 | 24.57 | 26.00 |
| | 12H | 16.53 | 16.82 | 17.62 | 17.90 | 19.37 | 23.30 | 23.59 | 24.39 | 24.67 | 26.14 |
| 12H | 4H | 16.45 | 16.86 | 17.52 | 17.93 | 19.35 | 22.26 | 22.67 | 23.33 | 23.74 | 25.16 |
| | 6H | 16.81 | 17.13 | 17.89 | 18.22 | 19.65 | 22.92 | 23.25 | 24.00 | 24.33 | 25.76 |
| | 8H | 16.88 | 17.16 | 17.96 | 18.24 | 19.71 | 23.15 | 23.44 | 24.24 | 24.52 | 25.99 |