

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: P937953

Luminaire Tested: SQ4-FB-125U-075D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937953
REPORT IS A COMBINATION OF REPORTS P933590 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-075D-93050-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

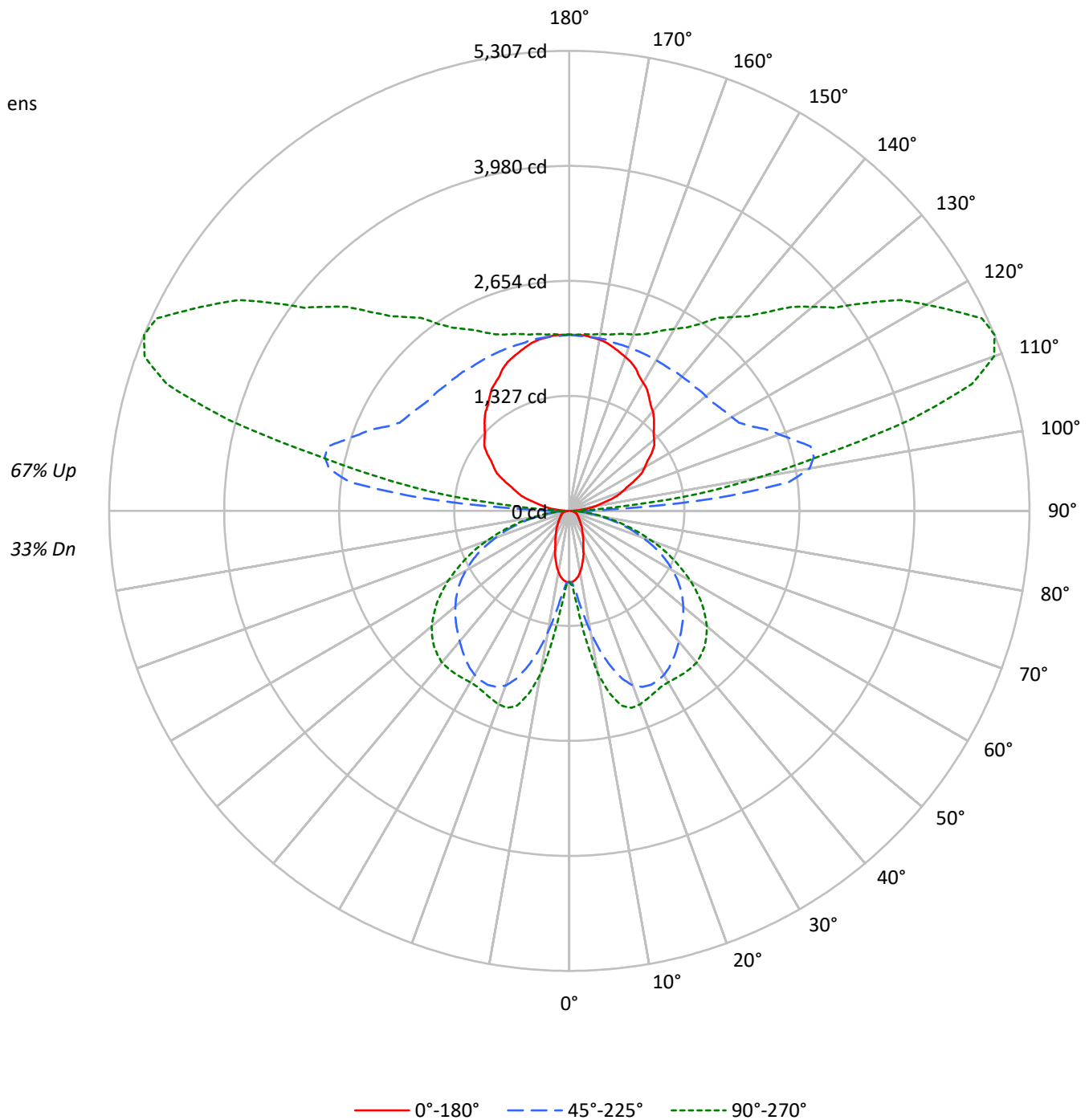
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19524.6 lumens
Efficiency: N/A
Efficacy: 117.1 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-Indirect

Input Watts (W): 166.8
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: P937953
CATALOG NUMBER: SQ4-FB-125U-075D-93050-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P937953

CATALOG NUMBER: SQ4-FB-125U-075D-93050-1D-UNV-STD-W-12-3000K

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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 56 | 56 | 56 | 40 | 40 | 40 | 33 |
| 1 | 94 | 89 | 85 | 82 | 84 | 80 | 77 | 74 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 | 27 |
| 2 | 85 | 77 | 71 | 66 | 76 | 70 | 65 | 60 | 55 | 52 | 49 | 42 | 40 | 38 | 30 | 29 | 27 | 22 |
| 3 | 77 | 68 | 60 | 54 | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 31 | 26 | 24 | 23 | 18 |
| 4 | 70 | 59 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 29 | 26 | 23 | 21 | 19 | 15 |
| 5 | 64 | 53 | 45 | 39 | 57 | 48 | 41 | 35 | 38 | 33 | 29 | 29 | 25 | 23 | 21 | 18 | 16 | 13 |
| 6 | 59 | 47 | 39 | 33 | 53 | 42 | 35 | 30 | 34 | 29 | 25 | 26 | 22 | 19 | 19 | 16 | 14 | 11 |
| 7 | 54 | 42 | 34 | 29 | 49 | 38 | 31 | 26 | 31 | 25 | 22 | 23 | 20 | 17 | 17 | 14 | 12 | 10 |
| 8 | 50 | 38 | 30 | 25 | 45 | 34 | 28 | 23 | 28 | 23 | 19 | 21 | 18 | 15 | 15 | 13 | 11 | 8 |
| 9 | 47 | 34 | 27 | 22 | 42 | 31 | 25 | 20 | 25 | 20 | 17 | 19 | 16 | 13 | 14 | 12 | 10 | 7 |
| 10 | 43 | 31 | 24 | 19 | 39 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 14 | 12 | 13 | 10 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2535 | 2535 | 2535 |
| 5° | 2477 | 2930 | 3407 |
| 10° | 2248 | 4273 | 5649 |
| 15° | 1911 | 5583 | 6820 |
| 20° | 1556 | 6472 | 6951 |
| 25° | 1299 | 6774 | 6810 |
| 30° | 1096 | 6819 | 6797 |
| 35° | 969 | 6707 | 6973 |
| 40° | 845 | 6562 | 7154 |
| 45° | 766 | 6456 | 7182 |
| 50° | 703 | 6361 | 7063 |
| 55° | 674 | 6222 | 6750 |
| 60° | 691 | 5951 | 6256 |
| 65° | 720 | 5539 | 5577 |
| 70° | 769 | 4833 | 4711 |
| 75° | 855 | 3944 | 3676 |
| 80° | 941 | 2739 | 2477 |
| 85° | 852 | 1456 | 1268 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7182 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 106.0 | 0.5 |
| 10°-20° | 469.8 | 2.4 |
| 20°-30° | 821.8 | 4.2 |
| 30°-40° | 1057.9 | 5.4 |
| 40°-50° | 1181.6 | 6.1 |
| 50°-60° | 1131.7 | 5.8 |
| 60°-70° | 896.9 | 4.6 |
| 70°-80° | 527.4 | 2.7 |
| 80°-90° | 154.3 | 0.8 |
| 90°-100° | 990.8 | 5.1 |
| 100°-110° | 2605.0 | 13.3 |
| 110°-120° | 2701.1 | 13.8 |
| 120°-130° | 2166.6 | 11.1 |
| 130°-140° | 1700.0 | 8.7 |
| 140°-150° | 1304.8 | 6.7 |
| 150°-160° | 939.7 | 4.8 |
| 160°-170° | 575.0 | 2.9 |
| 170°-180° | 194.2 | 1.0 |
| <hr/> | | |
| 0°-30° | 1397.6 | 7.2 |
| 0°-40° | 2455.5 | 12.6 |
| 0°-60° | 4768.8 | 24.4 |
| 0°-90° | 6347.3 | 32.5 |
| 90°-120° | 6296.9 | 32.3 |
| 90°-150° | 11468.4 | 58.7 |
| 90°-180° | 13177.0 | 67.5 |
| 0°-180° | 19524.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 820 | 820 | 820 | 820 | 820 | |
| 5° | 798 | 856 | 964 | 1091 | 1130 | 74 |
| 15° | 598 | 1104 | 1860 | 2256 | 2327 | 166 |
| 25° | 382 | 1252 | 2216 | 2314 | 2316 | 176 |
| 35° | 258 | 1196 | 2087 | 2206 | 2292 | 161 |
| 45° | 176 | 954 | 1844 | 2113 | 2208 | 137 |
| 55° | 126 | 606 | 1565 | 1818 | 1868 | 115 |
| 65° | 100 | 322 | 1162 | 1307 | 1325 | 99 |
| 75° | 74 | 198 | 638 | 701 | 704 | 77 |
| 85° | 26 | 61 | 158 | 174 | 176 | 28 |
| 90° | 14 | 38 | 104 | 52 | 52 | 13 |
| 95° | 131 | 513 | 1707 | 880 | 599 | 145 |
| 105° | 469 | 711 | 2880 | 4372 | 4079 | 498 |
| 115° | 834 | 1012 | 2307 | 4602 | 5252 | 823 |
| 125° | 1160 | 1300 | 2098 | 3546 | 4183 | 1030 |
| 135° | 1382 | 1521 | 2033 | 2862 | 3246 | 1069 |
| 145° | 1603 | 1705 | 2007 | 2442 | 2633 | 1004 |
| 155° | 1812 | 1862 | 2007 | 2203 | 2267 | 832 |
| 165° | 1955 | 1981 | 2007 | 2086 | 2112 | 552 |
| 175° | 2033 | 2033 | 2020 | 2046 | 2046 | 193 |
| 180° | 2033 | 2033 | 2033 | 2033 | 2033 | |



TEST NUMBER: P937953

CATALOG NUMBER: SQ4-FB-125U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 819.5 | 819.5 | 819.5 | 819.5 | 819.5 | 819.5 | 819.5 | 819.5 | 819.5 | 819.5 | 819.5 |
| 2.5° | 819.5 | 819.5 | 824.7 | 827.4 | 832.6 | 835.3 | 840.5 | 845.8 | 861.6 | 864.2 | 869.5 |
| 5° | 798.4 | 808.9 | 843.2 | 856.3 | 893.2 | 943.3 | 964.4 | 998.7 | 1069.9 | 1090.9 | 1104.1 |
| 7.5° | 766.8 | 790.5 | 874.8 | 895.9 | 988.1 | 1119.9 | 1175.3 | 1249.0 | 1362.3 | 1417.7 | 1462.5 |
| 10° | 716.7 | 766.8 | 916.9 | 967.0 | 1117.3 | 1317.5 | 1420.3 | 1523.1 | 1694.3 | 1770.7 | 1799.7 |
| 12.5° | 661.4 | 743.0 | 961.7 | 1030.3 | 1246.4 | 1538.9 | 1662.7 | 1776.0 | 1971.0 | 2073.8 | 2089.6 |
| 15° | 598.1 | 708.8 | 1004.0 | 1104.1 | 1383.4 | 1723.3 | 1860.3 | 2000.0 | 2181.8 | 2255.6 | 2274.0 |
| 17.5° | 542.8 | 682.4 | 1043.5 | 1148.9 | 1488.8 | 1889.3 | 2029.0 | 2144.9 | 2292.5 | 2342.5 | 2355.7 |
| 20° | 474.3 | 640.3 | 1069.9 | 1206.9 | 1599.5 | 2010.5 | 2144.9 | 2234.5 | 2334.6 | 2366.2 | 2371.5 |
| 22.5° | 424.2 | 595.5 | 1085.7 | 1228.0 | 1673.3 | 2084.3 | 2197.6 | 2268.7 | 2337.2 | 2347.8 | 2350.4 |
| 25° | 382.1 | 545.4 | 1083.0 | 1251.7 | 1736.5 | 2129.1 | 2216.0 | 2268.7 | 2308.3 | 2313.5 | 2313.5 |
| 27.5° | 342.5 | 490.1 | 1072.5 | 1256.9 | 1783.9 | 2139.6 | 2208.1 | 2245.0 | 2263.5 | 2274.0 | 2274.0 |
| 30° | 308.3 | 437.4 | 1046.1 | 1246.4 | 1805.0 | 2129.1 | 2184.4 | 2202.9 | 2221.3 | 2237.1 | 2245.0 |
| 32.5° | 281.9 | 387.3 | 1006.6 | 1225.3 | 1807.6 | 2102.7 | 2142.3 | 2152.8 | 2179.2 | 2216.0 | 2229.2 |
| 35° | 258.2 | 337.3 | 961.7 | 1196.3 | 1791.8 | 2060.6 | 2086.9 | 2097.5 | 2150.2 | 2205.5 | 2223.9 |
| 37.5° | 234.5 | 300.4 | 903.8 | 1146.3 | 1768.1 | 2010.5 | 2029.0 | 2047.4 | 2129.1 | 2195.0 | 2216.0 |
| 40° | 210.8 | 268.8 | 835.3 | 1090.9 | 1731.2 | 1949.9 | 1965.7 | 1994.7 | 2102.7 | 2179.2 | 2200.2 |
| 42.5° | 192.3 | 242.4 | 761.5 | 1033.0 | 1683.8 | 1881.4 | 1905.1 | 1947.3 | 2071.1 | 2152.8 | 2176.5 |
| 45° | 176.5 | 216.1 | 682.4 | 953.8 | 1623.2 | 1810.3 | 1844.5 | 1902.5 | 2034.2 | 2113.3 | 2134.4 |
| 47.5° | 160.7 | 197.6 | 600.8 | 872.2 | 1557.3 | 1739.1 | 1783.9 | 1849.8 | 1984.2 | 2060.6 | 2079.0 |
| 50° | 147.6 | 179.2 | 519.1 | 785.2 | 1486.2 | 1662.7 | 1715.4 | 1783.9 | 1920.9 | 1992.1 | 2015.8 |
| 52.5° | 137.0 | 163.4 | 442.7 | 698.2 | 1404.5 | 1583.7 | 1644.3 | 1715.4 | 1844.5 | 1913.0 | 1928.8 |
| 55° | 126.5 | 150.2 | 376.8 | 606.0 | 1320.2 | 1499.3 | 1565.2 | 1633.7 | 1760.2 | 1818.2 | 1828.7 |
| 57.5° | 121.2 | 139.6 | 321.5 | 519.1 | 1230.6 | 1404.5 | 1478.3 | 1541.5 | 1660.1 | 1704.9 | 1715.4 |
| 60° | 113.3 | 131.7 | 279.3 | 445.3 | 1133.1 | 1314.9 | 1378.1 | 1441.4 | 1541.5 | 1578.4 | 1586.3 |
| 62.5° | 105.4 | 126.5 | 247.7 | 374.2 | 1033.0 | 1209.5 | 1272.7 | 1330.7 | 1415.0 | 1441.4 | 1451.9 |
| 65° | 100.1 | 121.2 | 224.0 | 321.5 | 930.1 | 1098.8 | 1162.1 | 1212.1 | 1280.7 | 1307.0 | 1312.3 |
| 67.5° | 94.9 | 115.9 | 205.5 | 276.7 | 827.4 | 988.1 | 1035.6 | 1083.0 | 1135.7 | 1162.1 | 1164.7 |
| 70° | 87.0 | 110.7 | 189.7 | 245.0 | 722.0 | 861.6 | 901.1 | 951.2 | 993.4 | 1006.6 | 1014.5 |
| 72.5° | 81.7 | 102.8 | 179.2 | 221.3 | 613.9 | 740.4 | 777.3 | 806.3 | 843.2 | 856.3 | 856.3 |
| 75° | 73.8 | 92.2 | 168.6 | 197.6 | 503.3 | 606.0 | 637.6 | 666.6 | 695.6 | 700.9 | 693.0 |
| 77.5° | 65.9 | 81.7 | 144.9 | 166.0 | 392.6 | 479.6 | 505.9 | 521.7 | 545.4 | 550.7 | 553.3 |
| 80° | 55.3 | 71.1 | 113.3 | 129.1 | 284.6 | 353.1 | 371.5 | 384.7 | 405.8 | 405.8 | 411.0 |
| 82.5° | 42.2 | 55.3 | 81.7 | 92.2 | 192.3 | 242.4 | 258.2 | 266.1 | 279.3 | 279.3 | 279.3 |
| 85° | 26.3 | 34.3 | 52.7 | 60.6 | 115.9 | 147.6 | 158.1 | 160.7 | 171.3 | 173.9 | 173.9 |
| 87.5° | 13.2 | 18.4 | 34.3 | 36.9 | 60.6 | 76.4 | 76.4 | 81.7 | 81.7 | 79.0 | 76.4 |
| 90° | 13.6 | 24.5 | 35.5 | 38.2 | 60.0 | 89.1 | 103.6 | 92.1 | 69.1 | 51.8 | 51.8 |
| 92.5° | 54.5 | 147.3 | 240.1 | 263.3 | 370.2 | 512.7 | 583.9 | 511.7 | 367.4 | 259.2 | 248.9 |
| 95° | 131.0 | 300.7 | 470.5 | 512.9 | 910.8 | 1441.4 | 1706.6 | 1522.9 | 1155.5 | 880.0 | 848.7 |
| 97.5° | 226.4 | 376.2 | 526.0 | 563.4 | 1226.9 | 2111.5 | 2553.8 | 2437.7 | 2205.5 | 2031.3 | 1971.9 |
| 100° | 300.1 | 436.0 | 571.8 | 605.8 | 1342.0 | 2323.6 | 2814.4 | 2822.9 | 2839.9 | 2852.6 | 2781.8 |
| 102.5° | 362.9 | 489.7 | 616.3 | 648.0 | 1394.7 | 2390.3 | 2888.1 | 3036.0 | 3331.9 | 3553.9 | 3493.3 |
| 105° | 469.3 | 576.6 | 683.9 | 710.8 | 1433.8 | 2397.8 | 2879.9 | 3211.5 | 3874.9 | 4372.4 | 4339.8 |
| 107.5° | 578.4 | 678.5 | 778.5 | 803.6 | 1441.1 | 2291.2 | 2716.2 | 3178.8 | 4104.0 | 4798.0 | 4805.9 |
| 110° | 652.1 | 742.4 | 832.8 | 855.4 | 1430.1 | 2196.5 | 2579.7 | 3097.0 | 4131.4 | 4907.2 | 4941.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 724.4 | 810.5 | 896.6 | 918.1 | 1430.6 | 2114.0 | 2455.6 | 2985.0 | 4043.6 | 4837.6 | 4889.8 |
| 115° | 833.5 | 912.9 | 992.4 | 1012.2 | 1443.8 | 2019.2 | 2306.9 | 2816.9 | 3836.7 | 4601.6 | 4673.9 |
| 117.5° | 941.4 | 1013.5 | 1085.7 | 1103.7 | 1470.6 | 1959.9 | 2204.6 | 2664.9 | 3585.2 | 4275.5 | 4355.7 |
| 120° | 1004.1 | 1072.0 | 1139.9 | 1156.9 | 1492.5 | 1940.0 | 2163.7 | 2584.2 | 3425.2 | 4055.9 | 4133.8 |
| 122.5° | 1065.5 | 1134.0 | 1202.5 | 1219.6 | 1523.9 | 1929.5 | 2132.3 | 2511.0 | 3268.2 | 3836.2 | 3913.1 |
| 125° | 1159.6 | 1222.1 | 1284.5 | 1300.1 | 1566.2 | 1920.8 | 2098.2 | 2419.8 | 3063.2 | 3545.6 | 3616.4 |
| 127.5° | 1236.0 | 1299.1 | 1362.2 | 1377.9 | 1608.4 | 1915.8 | 2069.5 | 2345.7 | 2898.0 | 3312.3 | 3372.1 |
| 130° | 1277.0 | 1344.9 | 1412.7 | 1429.7 | 1639.3 | 1918.9 | 2058.6 | 2304.5 | 2796.2 | 3165.0 | 3220.2 |
| 132.5° | 1319.2 | 1387.1 | 1455.1 | 1472.0 | 1664.4 | 1920.8 | 2049.1 | 2269.2 | 2709.4 | 3039.5 | 3089.0 |
| 135° | 1382.0 | 1443.8 | 1505.7 | 1521.1 | 1691.7 | 1919.1 | 2032.7 | 2217.1 | 2585.7 | 2862.2 | 2904.8 |
| 137.5° | 1446.1 | 1507.3 | 1568.6 | 1583.8 | 1732.5 | 1930.9 | 2030.0 | 2185.8 | 2497.4 | 2731.2 | 2766.0 |
| 140° | 1499.3 | 1555.6 | 1612.0 | 1626.2 | 1757.6 | 1932.8 | 2020.4 | 2155.0 | 2424.2 | 2626.1 | 2658.7 |
| 142.5° | 1540.2 | 1592.4 | 1644.5 | 1657.5 | 1778.5 | 1939.8 | 2020.4 | 2138.7 | 2375.2 | 2552.5 | 2580.5 |
| 145° | 1603.0 | 1648.5 | 1694.0 | 1705.3 | 1805.8 | 1939.8 | 2006.8 | 2103.5 | 2296.9 | 2441.9 | 2463.2 |
| 147.5° | 1665.7 | 1710.0 | 1754.2 | 1765.3 | 1845.8 | 1953.2 | 2006.8 | 2082.9 | 2235.1 | 2349.2 | 2366.8 |
| 150° | 1706.6 | 1746.7 | 1786.7 | 1796.7 | 1866.7 | 1960.1 | 2006.8 | 2071.1 | 2199.6 | 2296.0 | 2310.2 |
| 152.5° | 1749.0 | 1779.3 | 1809.7 | 1817.2 | 1880.4 | 1964.7 | 2006.8 | 2061.7 | 2171.4 | 2253.7 | 2264.5 |
| 155° | 1811.7 | 1834.2 | 1856.6 | 1862.2 | 1910.4 | 1974.7 | 2006.8 | 2050.5 | 2137.8 | 2203.2 | 2210.3 |
| 157.5° | 1858.1 | 1879.9 | 1901.8 | 1907.2 | 1940.4 | 1984.7 | 2006.8 | 2040.7 | 2108.6 | 2159.6 | 2164.6 |
| 160° | 1889.5 | 1906.4 | 1923.5 | 1927.7 | 1954.0 | 1989.3 | 2006.8 | 2035.9 | 2094.1 | 2137.8 | 2140.7 |
| 162.5° | 1920.8 | 1933.6 | 1946.3 | 1949.5 | 1968.6 | 1994.1 | 2006.8 | 2031.4 | 2080.5 | 2117.3 | 2120.0 |
| 165° | 1954.9 | 1966.4 | 1977.9 | 1980.8 | 1989.5 | 2001.0 | 2006.8 | 2024.4 | 2059.5 | 2085.9 | 2088.8 |
| 167.5° | 1986.4 | 1991.8 | 1997.3 | 1998.6 | 2005.9 | 2015.6 | 2020.4 | 2031.9 | 2055.0 | 2072.3 | 2073.5 |
| 170° | 2006.8 | 2012.3 | 2017.7 | 2019.0 | 2019.5 | 2020.1 | 2020.4 | 2031.9 | 2055.0 | 2072.3 | 2072.3 |
| 172.5° | 2017.7 | 2019.0 | 2020.2 | 2020.4 | 2020.4 | 2020.4 | 2020.4 | 2029.6 | 2047.8 | 2061.4 | 2060.3 |
| 175° | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2028.6 | 2023.2 | 2020.4 | 2026.2 | 2037.7 | 2046.4 | 2046.4 |
| 177.5° | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2029.6 | 2025.3 | 2023.2 | 2027.7 | 2036.8 | 2043.6 | 2042.4 |
| 180° | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2032.7 | 2032.7 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 819.5 | 819.5 |
| 2.5° | 874.8 | 869.5 |
| 5° | 1125.2 | 1130.5 |
| 7.5° | 1515.2 | 1512.5 |
| 10° | 1884.0 | 1907.8 |
| 12.5° | 2152.8 | 2158.1 |
| 15° | 2316.2 | 2326.7 |
| 17.5° | 2379.4 | 2382.0 |
| 20° | 2382.0 | 2376.8 |
| 22.5° | 2353.1 | 2347.8 |
| 25° | 2318.8 | 2316.2 |
| 27.5° | 2287.2 | 2289.8 |
| 30° | 2274.0 | 2281.9 |
| 32.5° | 2274.0 | 2287.2 |
| 35° | 2279.3 | 2292.5 |
| 37.5° | 2276.6 | 2292.5 |
| 40° | 2266.1 | 2284.5 |
| 42.5° | 2237.1 | 2250.3 |
| 45° | 2192.3 | 2208.1 |
| 47.5° | 2134.4 | 2144.9 |
| 50° | 2060.6 | 2071.1 |
| 52.5° | 1968.4 | 1971.0 |
| 55° | 1857.7 | 1868.2 |
| 57.5° | 1739.1 | 1741.8 |
| 60° | 1607.4 | 1615.3 |
| 62.5° | 1467.7 | 1467.7 |
| 65° | 1320.2 | 1325.4 |
| 67.5° | 1167.3 | 1180.5 |
| 70° | 1011.9 | 1014.5 |
| 72.5° | 859.0 | 859.0 |
| 75° | 700.9 | 703.5 |
| 77.5° | 550.7 | 550.7 |
| 80° | 408.4 | 411.0 |
| 82.5° | 281.9 | 287.2 |
| 85° | 176.5 | 176.5 |
| 87.5° | 81.7 | 73.8 |
| 90° | 51.8 | 51.8 |
| 92.5° | 207.6 | 166.4 |
| 95° | 723.8 | 598.9 |
| 97.5° | 1734.2 | 1496.5 |
| 100° | 2498.7 | 2215.5 |
| 102.5° | 3250.7 | 3008.2 |
| 105° | 4209.4 | 4079.1 |
| 107.5° | 4837.4 | 4868.9 |
| 110° | 5076.9 | 5212.7 |



TEST NUMBER: P937953

CATALOG NUMBER: SQ4-FB-125U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 5098.3 | 5306.9 |
| 115° | 4963.1 | 5252.3 |
| 117.5° | 4676.4 | 4997.2 |
| 120° | 4445.4 | 4757.1 |
| 122.5° | 4220.5 | 4527.9 |
| 125° | 3899.6 | 4182.7 |
| 127.5° | 3611.0 | 3849.9 |
| 130° | 3440.9 | 3661.6 |
| 132.5° | 3286.6 | 3484.2 |
| 135° | 3075.1 | 3245.5 |
| 137.5° | 2905.5 | 3045.0 |
| 140° | 2789.1 | 2919.5 |
| 142.5° | 2692.7 | 2804.9 |
| 145° | 2548.0 | 2633.0 |
| 147.5° | 2437.1 | 2507.5 |
| 150° | 2367.3 | 2424.3 |
| 152.5° | 2307.6 | 2350.6 |
| 155° | 2238.9 | 2267.3 |
| 157.5° | 2184.6 | 2204.6 |
| 160° | 2152.2 | 2163.7 |
| 162.5° | 2130.9 | 2141.8 |
| 165° | 2100.3 | 2111.9 |
| 167.5° | 2078.3 | 2083.2 |
| 170° | 2072.3 | 2072.3 |
| 172.5° | 2056.0 | 2051.8 |
| 175° | 2046.4 | 2046.4 |
| 177.5° | 2037.6 | 2032.7 |
| 180° | 2032.7 | 2032.7 |



TEST NUMBER: P937953
 CATALOG NUMBER: SQ4-FB-125U-075D-93050-1D-UNV-STD-W-12-3000K

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 | 2.38 | 3.13 | 3.47 | 4.22 | 5.71 | 15.57 | 16.32 | 16.66 | 17.41 | 18.91 |
| | 3H | 3.08 | 3.74 | 4.17 | 4.84 | 6.36 | 17.41 | 18.08 | 18.50 | 19.18 | 20.69 |
| | 4H | 3.37 | 4.00 | 4.48 | 5.10 | 6.63 | 18.05 | 18.69 | 19.16 | 19.79 | 21.31 |
| | 6H | 3.61 | 4.20 | 4.73 | 5.30 | 6.83 | 18.48 | 19.06 | 19.60 | 20.17 | 21.70 |
| | 8H | 3.68 | 4.23 | 4.80 | 5.35 | 6.88 | 18.60 | 19.16 | 19.72 | 20.28 | 21.80 |
| | 12H | 3.69 | 4.22 | 4.81 | 5.33 | 6.88 | 18.67 | 19.19 | 19.79 | 20.31 | 21.86 |
| 4H | 2H | 9.59 | 10.22 | 10.70 | 11.32 | 12.85 | 15.83 | 16.47 | 16.95 | 17.57 | 19.09 |
| | 3H | 11.14 | 11.68 | 12.27 | 12.80 | 14.34 | 17.87 | 18.40 | 18.99 | 19.53 | 21.06 |
| | 4H | 11.23 | 11.72 | 12.36 | 12.84 | 14.39 | 18.64 | 19.12 | 19.76 | 20.24 | 21.80 |
| | 6H | 11.24 | 11.66 | 12.37 | 12.80 | 14.34 | 19.17 | 19.59 | 20.30 | 20.73 | 22.28 |
| | 8H | 11.21 | 11.60 | 12.34 | 12.73 | 14.30 | 19.33 | 19.73 | 20.47 | 20.86 | 22.42 |
| | 12H | 11.16 | 11.52 | 12.31 | 12.66 | 14.23 | 19.42 | 19.78 | 20.57 | 20.92 | 22.49 |
| 8H | 4H | 12.67 | 13.06 | 13.80 | 14.20 | 15.76 | 18.69 | 19.08 | 19.82 | 20.21 | 21.77 |
| | 6H | 12.91 | 13.23 | 14.06 | 14.41 | 15.97 | 19.31 | 19.64 | 20.47 | 20.81 | 22.37 |
| | 8H | 12.92 | 13.21 | 14.08 | 14.36 | 15.94 | 19.53 | 19.82 | 20.69 | 20.97 | 22.55 |
| | 12H | 12.89 | 13.14 | 14.05 | 14.29 | 15.90 | 19.68 | 19.93 | 20.84 | 21.08 | 22.69 |
| 12H | 4H | 12.81 | 13.17 | 13.96 | 14.31 | 15.88 | 18.63 | 18.99 | 19.78 | 20.13 | 21.70 |
| | 6H | 13.17 | 13.45 | 14.33 | 14.60 | 16.18 | 19.30 | 19.58 | 20.45 | 20.73 | 22.31 |
| | 8H | 13.23 | 13.48 | 14.39 | 14.63 | 16.24 | 19.52 | 19.77 | 20.69 | 20.92 | 22.54 |