

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: P937977

Luminaire Tested: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937977
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-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

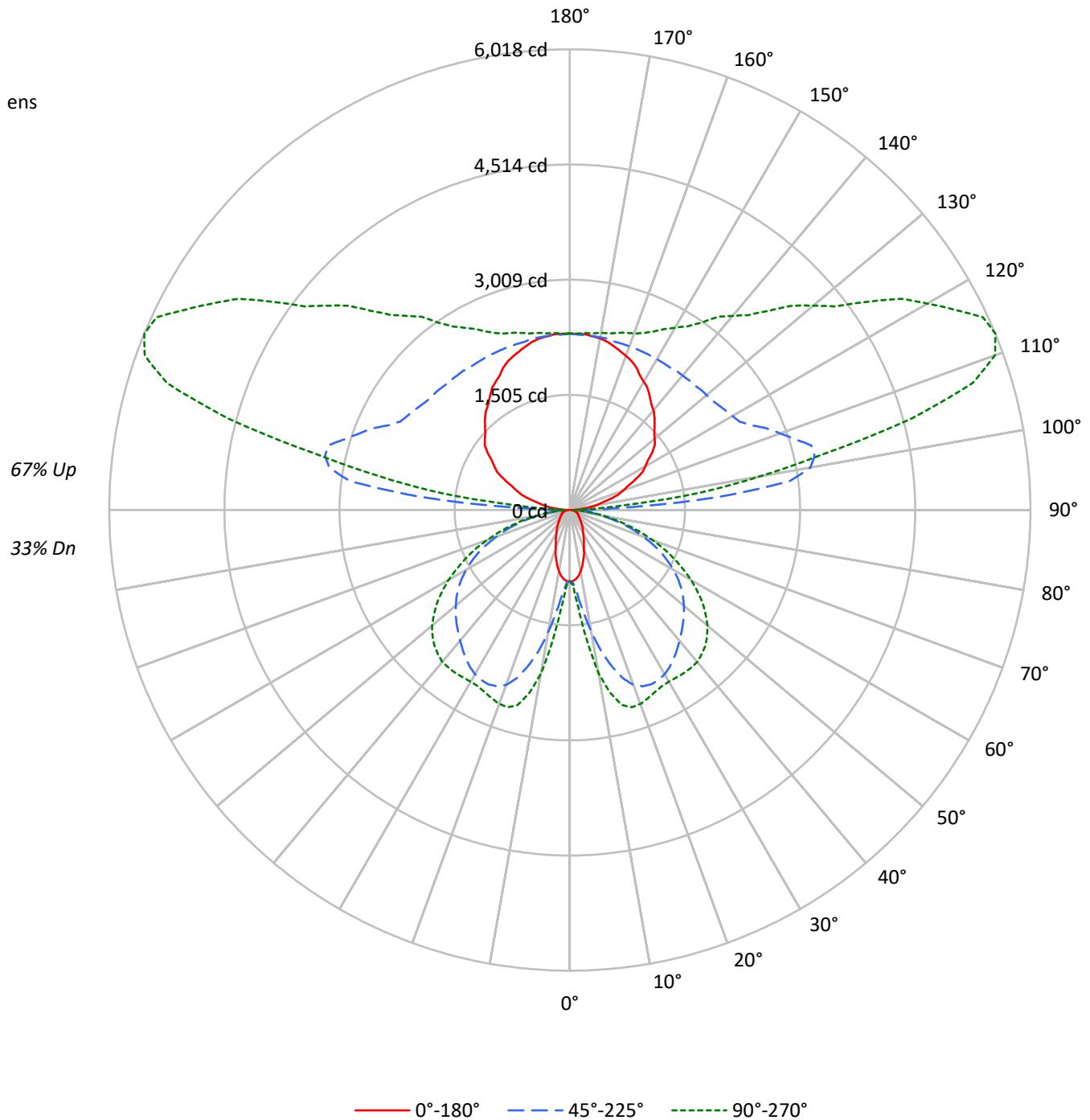
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22141.1 lumens
Efficiency: N/A
Efficacy: 132.7 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: P937977
CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P937977

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-12-2700K

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° | 2874 | 2874 | 2874 |
| 5° | 2809 | 3323 | 3864 |
| 10° | 2549 | 4845 | 6405 |
| 15° | 2167 | 6332 | 7734 |
| 20° | 1765 | 7339 | 7883 |
| 25° | 1473 | 7682 | 7722 |
| 30° | 1243 | 7733 | 7708 |
| 35° | 1099 | 7606 | 7907 |
| 40° | 958 | 7441 | 8113 |
| 45° | 868 | 7321 | 8145 |
| 50° | 797 | 7214 | 8010 |
| 55° | 764 | 7056 | 7655 |
| 60° | 784 | 6749 | 7094 |
| 65° | 816 | 6281 | 6324 |
| 70° | 872 | 5481 | 5343 |
| 75° | 970 | 4473 | 4169 |
| 80° | 1066 | 3106 | 2809 |
| 85° | 969 | 1651 | 1438 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8145 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 120.2 | 0.5 |
| 10°-20° | 532.8 | 2.4 |
| 20°-30° | 931.9 | 4.2 |
| 30°-40° | 1199.6 | 5.4 |
| 40°-50° | 1339.9 | 6.1 |
| 50°-60° | 1283.4 | 5.8 |
| 60°-70° | 1017.1 | 4.6 |
| 70°-80° | 598.0 | 2.7 |
| 80°-90° | 174.9 | 0.8 |
| 90°-100° | 1123.6 | 5.1 |
| 100°-110° | 2954.1 | 13.3 |
| 110°-120° | 3063.1 | 13.8 |
| 120°-130° | 2457.0 | 11.1 |
| 130°-140° | 1927.8 | 8.7 |
| 140°-150° | 1479.7 | 6.7 |
| 150°-160° | 1065.6 | 4.8 |
| 160°-170° | 652.0 | 2.9 |
| 170°-180° | 220.3 | 1.0 |
| 0°-30° | 1584.9 | 7.2 |
| 0°-40° | 2784.5 | 12.6 |
| 0°-60° | 5407.8 | 24.4 |
| 0°-90° | 7197.9 | 32.5 |
| 90°-120° | 7140.8 | 32.3 |
| 90°-150° | 13005.2 | 58.7 |
| 90°-180° | 14943.0 | 67.5 |
| 0°-180° | 22141.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 929 | 929 | 929 | 929 | 929 | |
| 5° | 905 | 971 | 1094 | 1237 | 1282 | 84 |
| 15° | 678 | 1252 | 2110 | 2558 | 2638 | 189 |
| 25° | 433 | 1419 | 2513 | 2624 | 2627 | 200 |
| 35° | 293 | 1357 | 2367 | 2501 | 2600 | 183 |
| 45° | 200 | 1082 | 2092 | 2396 | 2504 | 155 |
| 55° | 143 | 687 | 1775 | 2062 | 2119 | 131 |
| 65° | 114 | 364 | 1318 | 1482 | 1503 | 113 |
| 75° | 84 | 224 | 723 | 795 | 798 | 88 |
| 85° | 30 | 69 | 179 | 197 | 200 | 32 |
| 90° | 15 | 43 | 118 | 59 | 59 | 15 |
| 95° | 148 | 582 | 1935 | 998 | 679 | 165 |
| 105° | 532 | 806 | 3266 | 4958 | 4626 | 564 |
| 115° | 945 | 1148 | 2616 | 5218 | 5956 | 934 |
| 125° | 1315 | 1474 | 2379 | 4021 | 4743 | 1167 |
| 135° | 1567 | 1725 | 2305 | 3246 | 3680 | 1213 |
| 145° | 1818 | 1934 | 2276 | 2769 | 2986 | 1139 |
| 155° | 2054 | 2112 | 2276 | 2498 | 2571 | 944 |
| 165° | 2217 | 2246 | 2276 | 2365 | 2395 | 626 |
| 175° | 2305 | 2305 | 2291 | 2321 | 2321 | 219 |
| 180° | 2305 | 2305 | 2305 | 2305 | 2305 | |



TEST NUMBER: P937977

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 929.3 | 929.3 | 929.3 | 929.3 | 929.3 | 929.3 | 929.3 | 929.3 | 929.3 | 929.3 | 929.3 |
| 2.5° | 929.3 | 929.3 | 935.2 | 938.2 | 944.2 | 947.2 | 953.2 | 959.1 | 977.1 | 980.1 | 986.0 |
| 5° | 905.4 | 917.3 | 956.2 | 971.1 | 1012.9 | 1069.7 | 1093.6 | 1132.6 | 1213.2 | 1237.1 | 1252.1 |
| 7.5° | 869.5 | 896.4 | 992.0 | 1015.9 | 1120.5 | 1270.0 | 1332.7 | 1416.4 | 1544.9 | 1607.6 | 1658.4 |
| 10° | 812.7 | 869.5 | 1039.8 | 1096.6 | 1267.0 | 1494.1 | 1610.6 | 1727.2 | 1921.4 | 2008.0 | 2040.9 |
| 12.5° | 750.0 | 842.6 | 1090.6 | 1168.4 | 1413.4 | 1745.1 | 1885.5 | 2014.0 | 2235.1 | 2351.7 | 2369.6 |
| 15° | 678.3 | 803.8 | 1138.5 | 1252.1 | 1568.8 | 1954.3 | 2109.6 | 2268.0 | 2474.2 | 2557.8 | 2578.7 |
| 17.5° | 615.5 | 773.9 | 1183.3 | 1302.9 | 1688.3 | 2142.5 | 2300.9 | 2432.3 | 2599.7 | 2656.4 | 2671.4 |
| 20° | 537.8 | 726.1 | 1213.2 | 1368.6 | 1813.8 | 2279.9 | 2432.3 | 2533.9 | 2647.5 | 2683.3 | 2689.3 |
| 22.5° | 481.1 | 675.3 | 1231.2 | 1392.5 | 1897.5 | 2363.6 | 2492.1 | 2572.8 | 2650.5 | 2662.4 | 2665.4 |
| 25° | 433.3 | 618.5 | 1228.2 | 1419.4 | 1969.2 | 2414.4 | 2513.0 | 2572.8 | 2617.6 | 2623.6 | 2623.6 |
| 27.5° | 388.4 | 555.8 | 1216.2 | 1425.4 | 2023.0 | 2426.4 | 2504.0 | 2545.9 | 2566.8 | 2578.7 | 2578.7 |
| 30° | 349.6 | 496.0 | 1186.3 | 1413.4 | 2046.9 | 2414.4 | 2477.2 | 2498.1 | 2519.0 | 2536.9 | 2545.9 |
| 32.5° | 319.7 | 439.2 | 1141.5 | 1389.5 | 2049.9 | 2384.5 | 2429.3 | 2441.3 | 2471.2 | 2513.0 | 2527.9 |
| 35° | 292.8 | 382.5 | 1090.6 | 1356.7 | 2031.9 | 2336.7 | 2366.6 | 2378.5 | 2438.3 | 2501.1 | 2522.0 |
| 37.5° | 265.9 | 340.6 | 1024.9 | 1299.9 | 2005.0 | 2279.9 | 2300.9 | 2321.8 | 2414.4 | 2489.1 | 2513.0 |
| 40° | 239.0 | 304.8 | 947.2 | 1237.1 | 1963.2 | 2211.2 | 2229.1 | 2262.0 | 2384.5 | 2471.2 | 2495.1 |
| 42.5° | 218.1 | 274.9 | 863.5 | 1171.4 | 1909.4 | 2133.5 | 2160.4 | 2208.2 | 2348.7 | 2441.3 | 2468.2 |
| 45° | 200.2 | 245.0 | 773.9 | 1081.7 | 1840.7 | 2052.9 | 2091.7 | 2157.4 | 2306.8 | 2396.5 | 2420.4 |
| 47.5° | 182.3 | 224.1 | 681.3 | 989.0 | 1766.0 | 1972.2 | 2023.0 | 2097.7 | 2250.1 | 2336.7 | 2357.6 |
| 50° | 167.3 | 203.2 | 588.6 | 890.4 | 1685.3 | 1885.5 | 1945.3 | 2023.0 | 2178.4 | 2259.0 | 2285.9 |
| 52.5° | 155.4 | 185.3 | 502.0 | 791.8 | 1592.7 | 1795.9 | 1864.6 | 1945.3 | 2091.7 | 2169.4 | 2187.3 |
| 55° | 143.4 | 170.3 | 427.3 | 687.2 | 1497.1 | 1700.3 | 1775.0 | 1852.7 | 1996.1 | 2061.8 | 2073.8 |
| 57.5° | 137.4 | 158.4 | 364.5 | 588.6 | 1395.5 | 1592.7 | 1676.4 | 1748.1 | 1882.5 | 1933.3 | 1945.3 |
| 60° | 128.5 | 149.4 | 316.7 | 505.0 | 1284.9 | 1491.1 | 1562.8 | 1634.5 | 1748.1 | 1789.9 | 1798.9 |
| 62.5° | 119.5 | 143.4 | 280.9 | 424.3 | 1171.4 | 1371.6 | 1443.3 | 1509.0 | 1604.7 | 1634.5 | 1646.5 |
| 65° | 113.5 | 137.4 | 254.0 | 364.5 | 1054.8 | 1246.1 | 1317.8 | 1374.6 | 1452.3 | 1482.1 | 1488.1 |
| 67.5° | 107.6 | 131.5 | 233.1 | 313.7 | 938.2 | 1120.5 | 1174.4 | 1228.2 | 1287.9 | 1317.8 | 1320.8 |
| 70° | 98.6 | 125.5 | 215.1 | 277.9 | 818.7 | 977.1 | 1021.9 | 1078.7 | 1126.5 | 1141.5 | 1150.5 |
| 72.5° | 92.6 | 116.5 | 203.2 | 251.0 | 696.2 | 839.6 | 881.5 | 914.3 | 956.2 | 971.1 | 971.1 |
| 75° | 83.7 | 104.6 | 191.2 | 224.1 | 570.7 | 687.2 | 723.1 | 756.0 | 788.8 | 794.8 | 785.8 |
| 77.5° | 74.7 | 92.6 | 164.3 | 188.2 | 445.2 | 543.8 | 573.7 | 591.6 | 618.5 | 624.5 | 627.5 |
| 80° | 62.7 | 80.7 | 128.5 | 146.4 | 322.7 | 400.4 | 421.3 | 436.2 | 460.2 | 460.2 | 466.1 |
| 82.5° | 47.8 | 62.7 | 92.6 | 104.6 | 218.1 | 274.9 | 292.8 | 301.8 | 316.7 | 316.7 | 316.7 |
| 85° | 29.9 | 38.8 | 59.8 | 68.7 | 131.5 | 167.3 | 179.3 | 182.3 | 194.2 | 197.2 | 197.2 |
| 87.5° | 14.9 | 20.9 | 38.8 | 41.8 | 68.7 | 86.7 | 86.7 | 92.6 | 92.6 | 89.6 | 86.7 |
| 90° | 15.4 | 27.8 | 40.2 | 43.3 | 68.0 | 101.0 | 117.5 | 104.5 | 78.4 | 58.8 | 58.8 |
| 92.5° | 61.9 | 167.0 | 272.3 | 298.6 | 419.8 | 581.4 | 662.1 | 580.3 | 416.6 | 293.9 | 282.3 |
| 95° | 148.5 | 341.0 | 533.6 | 581.7 | 1032.9 | 1634.5 | 1935.3 | 1727.0 | 1310.3 | 997.9 | 962.4 |
| 97.5° | 256.8 | 426.6 | 596.5 | 638.9 | 1391.3 | 2394.5 | 2896.1 | 2764.4 | 2501.1 | 2303.5 | 2236.1 |
| 100° | 340.3 | 494.4 | 648.4 | 686.9 | 1521.8 | 2635.0 | 3191.6 | 3201.2 | 3220.5 | 3234.9 | 3154.6 |
| 102.5° | 411.5 | 555.3 | 698.9 | 734.8 | 1581.6 | 2710.6 | 3275.1 | 3442.9 | 3778.4 | 4030.1 | 3961.4 |
| 105° | 532.2 | 653.9 | 775.6 | 806.1 | 1626.0 | 2719.2 | 3265.8 | 3641.9 | 4394.2 | 4958.3 | 4921.3 |
| 107.5° | 656.0 | 769.4 | 882.9 | 911.2 | 1634.2 | 2598.3 | 3080.2 | 3604.8 | 4654.0 | 5440.9 | 5449.9 |
| 110° | 739.5 | 841.9 | 944.4 | 970.0 | 1621.8 | 2490.9 | 2925.5 | 3512.0 | 4685.0 | 5564.8 | 5603.3 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 821.5 | 919.1 | 1016.7 | 1041.1 | 1622.3 | 2397.3 | 2784.7 | 3385.0 | 4585.5 | 5485.9 | 5545.0 |
| 115° | 945.2 | 1035.2 | 1125.4 | 1147.9 | 1637.3 | 2289.8 | 2616.1 | 3194.4 | 4350.8 | 5218.2 | 5300.2 |
| 117.5° | 1067.5 | 1149.3 | 1231.2 | 1251.6 | 1667.7 | 2222.6 | 2500.1 | 3022.0 | 4065.7 | 4848.4 | 4939.4 |
| 120° | 1138.6 | 1215.6 | 1292.7 | 1311.9 | 1692.5 | 2200.0 | 2453.6 | 2930.5 | 3884.2 | 4599.4 | 4687.8 |
| 122.5° | 1208.2 | 1285.9 | 1363.6 | 1383.0 | 1728.1 | 2188.1 | 2418.1 | 2847.5 | 3706.2 | 4350.3 | 4437.5 |
| 125° | 1315.0 | 1385.8 | 1456.6 | 1474.4 | 1776.1 | 2178.3 | 2379.3 | 2744.1 | 3473.6 | 4020.8 | 4101.0 |
| 127.5° | 1401.7 | 1473.2 | 1544.7 | 1562.5 | 1824.0 | 2172.6 | 2346.9 | 2660.0 | 3286.4 | 3756.2 | 3823.9 |
| 130° | 1448.1 | 1525.1 | 1602.1 | 1621.3 | 1859.0 | 2176.1 | 2334.5 | 2613.3 | 3171.0 | 3589.2 | 3651.7 |
| 132.5° | 1496.0 | 1573.0 | 1650.1 | 1669.3 | 1887.4 | 2178.3 | 2323.7 | 2573.3 | 3072.5 | 3446.9 | 3502.9 |
| 135° | 1567.2 | 1637.3 | 1707.4 | 1725.0 | 1918.4 | 2176.3 | 2305.1 | 2514.2 | 2932.2 | 3245.8 | 3294.1 |
| 137.5° | 1639.9 | 1709.3 | 1778.8 | 1796.1 | 1964.7 | 2189.6 | 2302.1 | 2478.7 | 2832.1 | 3097.2 | 3136.7 |
| 140° | 1700.2 | 1764.1 | 1828.1 | 1844.1 | 1993.1 | 2191.8 | 2291.2 | 2443.8 | 2749.1 | 2978.0 | 3015.0 |
| 142.5° | 1746.6 | 1805.7 | 1864.9 | 1879.7 | 2016.8 | 2199.8 | 2291.2 | 2425.3 | 2693.5 | 2894.6 | 2926.3 |
| 145° | 1817.8 | 1869.4 | 1921.0 | 1933.8 | 2047.8 | 2199.8 | 2275.8 | 2385.4 | 2604.7 | 2769.2 | 2793.3 |
| 147.5° | 1888.9 | 1939.1 | 1989.3 | 2001.9 | 2093.2 | 2214.9 | 2275.8 | 2362.0 | 2534.6 | 2664.0 | 2683.9 |
| 150° | 1935.3 | 1980.7 | 2026.2 | 2037.5 | 2116.9 | 2222.8 | 2275.8 | 2348.7 | 2494.4 | 2603.6 | 2619.8 |
| 152.5° | 1983.3 | 2017.7 | 2052.2 | 2060.7 | 2132.4 | 2228.0 | 2275.8 | 2338.0 | 2462.4 | 2555.7 | 2568.0 |
| 155° | 2054.4 | 2079.9 | 2105.3 | 2111.7 | 2166.4 | 2239.3 | 2275.8 | 2325.3 | 2424.3 | 2498.5 | 2506.5 |
| 157.5° | 2107.1 | 2131.8 | 2156.6 | 2162.8 | 2200.5 | 2250.7 | 2275.8 | 2314.2 | 2391.2 | 2449.0 | 2454.6 |
| 160° | 2142.7 | 2161.9 | 2181.2 | 2186.0 | 2215.9 | 2255.8 | 2275.8 | 2308.7 | 2374.8 | 2424.3 | 2427.6 |
| 162.5° | 2178.3 | 2192.7 | 2207.1 | 2210.7 | 2232.4 | 2261.3 | 2275.8 | 2303.6 | 2359.3 | 2401.1 | 2404.1 |
| 165° | 2216.9 | 2229.9 | 2243.0 | 2246.3 | 2256.1 | 2269.2 | 2275.8 | 2295.7 | 2335.5 | 2365.4 | 2368.7 |
| 167.5° | 2252.6 | 2258.7 | 2264.9 | 2266.4 | 2274.7 | 2285.7 | 2291.2 | 2304.2 | 2330.3 | 2350.0 | 2351.4 |
| 170° | 2275.8 | 2281.9 | 2288.1 | 2289.6 | 2290.1 | 2290.8 | 2291.2 | 2304.2 | 2330.3 | 2350.0 | 2350.0 |
| 172.5° | 2288.1 | 2289.5 | 2290.9 | 2291.2 | 2291.2 | 2291.2 | 2291.2 | 2301.6 | 2322.2 | 2337.6 | 2336.4 |
| 175° | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2300.5 | 2294.3 | 2291.2 | 2297.8 | 2310.8 | 2320.6 | 2320.6 |
| 177.5° | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2301.6 | 2296.7 | 2294.3 | 2299.5 | 2309.7 | 2317.5 | 2316.1 |
| 180° | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 | 2305.1 |



TEST NUMBER: P937977

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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 929.3 | 929.3 |
| 2.5° | 992.0 | 986.0 |
| 5° | 1276.0 | 1282.0 |
| 7.5° | 1718.2 | 1715.2 |
| 10° | 2136.5 | 2163.4 |
| 12.5° | 2441.3 | 2447.3 |
| 15° | 2626.6 | 2638.5 |
| 17.5° | 2698.3 | 2701.3 |
| 20° | 2701.3 | 2695.3 |
| 22.5° | 2668.4 | 2662.4 |
| 25° | 2629.5 | 2626.6 |
| 27.5° | 2593.7 | 2596.7 |
| 30° | 2578.7 | 2587.7 |
| 32.5° | 2578.7 | 2593.7 |
| 35° | 2584.7 | 2599.7 |
| 37.5° | 2581.7 | 2599.7 |
| 40° | 2569.8 | 2590.7 |
| 42.5° | 2536.9 | 2551.9 |
| 45° | 2486.1 | 2504.0 |
| 47.5° | 2420.4 | 2432.3 |
| 50° | 2336.7 | 2348.7 |
| 52.5° | 2232.1 | 2235.1 |
| 55° | 2106.6 | 2118.6 |
| 57.5° | 1972.2 | 1975.2 |
| 60° | 1822.8 | 1831.7 |
| 62.5° | 1664.4 | 1664.4 |
| 65° | 1497.1 | 1503.1 |
| 67.5° | 1323.8 | 1338.7 |
| 70° | 1147.5 | 1150.5 |
| 72.5° | 974.1 | 974.1 |
| 75° | 794.8 | 797.8 |
| 77.5° | 624.5 | 624.5 |
| 80° | 463.1 | 466.1 |
| 82.5° | 319.7 | 325.7 |
| 85° | 200.2 | 200.2 |
| 87.5° | 92.6 | 83.7 |
| 90° | 58.8 | 58.8 |
| 92.5° | 235.5 | 188.7 |
| 95° | 820.8 | 679.2 |
| 97.5° | 1966.6 | 1697.1 |
| 100° | 2833.5 | 2512.4 |
| 102.5° | 3686.3 | 3411.3 |
| 105° | 4773.5 | 4625.7 |
| 107.5° | 5485.7 | 5521.4 |
| 110° | 5757.3 | 5911.3 |



TEST NUMBER: P937977

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 5781.5 | 6018.0 |
| 115° | 5628.2 | 5956.2 |
| 117.5° | 5303.1 | 5666.8 |
| 120° | 5041.2 | 5394.5 |
| 122.5° | 4786.1 | 5134.7 |
| 125° | 4422.1 | 4743.3 |
| 127.5° | 4094.9 | 4365.8 |
| 130° | 3902.0 | 4152.3 |
| 132.5° | 3727.0 | 3951.1 |
| 135° | 3487.2 | 3680.4 |
| 137.5° | 3294.9 | 3453.0 |
| 140° | 3162.9 | 3310.7 |
| 142.5° | 3053.5 | 3180.7 |
| 145° | 2889.5 | 2985.8 |
| 147.5° | 2763.7 | 2843.5 |
| 150° | 2684.5 | 2749.2 |
| 152.5° | 2616.8 | 2665.6 |
| 155° | 2538.9 | 2571.2 |
| 157.5° | 2477.4 | 2500.1 |
| 160° | 2440.6 | 2453.6 |
| 162.5° | 2416.5 | 2428.8 |
| 165° | 2381.7 | 2394.9 |
| 167.5° | 2356.8 | 2362.3 |
| 170° | 2350.0 | 2350.0 |
| 172.5° | 2331.5 | 2326.8 |
| 175° | 2320.6 | 2320.6 |
| 177.5° | 2310.6 | 2305.1 |
| 180° | 2305.1 | 2305.1 |



TEST NUMBER: P937977

CATALOG NUMBER: SQ4-FB-125U-075D-B2750-1D-UNV-STD-W-12-2700K

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 | 2.82 | 3.56 | 3.90 | 4.65 | 6.15 | 16.01 | 16.75 | 17.10 | 17.84 | 19.34 |
| | 3H | 3.51 | 4.18 | 4.61 | 5.28 | 6.80 | 17.84 | 18.51 | 18.94 | 19.61 | 21.13 |
| | 4H | 3.80 | 4.44 | 4.91 | 5.54 | 7.06 | 18.49 | 19.12 | 19.59 | 20.22 | 21.74 |
| | 6H | 4.05 | 4.63 | 5.17 | 5.74 | 7.27 | 18.92 | 19.50 | 20.03 | 20.60 | 22.14 |
| | 8H | 4.11 | 4.67 | 5.23 | 5.79 | 7.32 | 19.04 | 19.59 | 20.16 | 20.71 | 22.24 |
| | 12H | 4.13 | 4.66 | 5.25 | 5.77 | 7.32 | 19.10 | 19.63 | 20.23 | 20.75 | 22.30 |
| 4H | 2H | 10.03 | 10.66 | 11.14 | 11.76 | 13.28 | 16.27 | 16.90 | 17.38 | 18.00 | 19.52 |
| | 3H | 11.58 | 12.11 | 12.70 | 13.24 | 14.77 | 18.31 | 18.84 | 19.43 | 19.97 | 21.50 |
| | 4H | 11.67 | 12.16 | 12.80 | 13.28 | 14.83 | 19.07 | 19.56 | 20.20 | 20.68 | 22.23 |
| | 6H | 11.67 | 12.09 | 12.81 | 13.23 | 14.78 | 19.61 | 20.03 | 20.74 | 21.17 | 22.71 |
| | 8H | 11.65 | 12.04 | 12.78 | 13.17 | 14.73 | 19.77 | 20.16 | 20.90 | 21.29 | 22.86 |
| | 12H | 11.60 | 11.95 | 12.75 | 13.10 | 14.67 | 19.86 | 20.22 | 21.01 | 21.36 | 22.93 |
| 8H | 4H | 13.11 | 13.50 | 14.24 | 14.63 | 16.19 | 19.12 | 19.51 | 20.25 | 20.65 | 22.21 |
| | 6H | 13.35 | 13.67 | 14.50 | 14.84 | 16.40 | 19.75 | 20.08 | 20.90 | 21.25 | 22.81 |
| | 8H | 13.36 | 13.65 | 14.52 | 14.80 | 16.38 | 19.97 | 20.26 | 21.13 | 21.41 | 22.99 |
| | 12H | 13.32 | 13.57 | 14.49 | 14.72 | 16.34 | 20.11 | 20.36 | 21.28 | 21.51 | 23.13 |
| 12H | 4H | 13.25 | 13.60 | 14.40 | 14.75 | 16.31 | 19.07 | 19.43 | 20.22 | 20.57 | 22.14 |
| | 6H | 13.60 | 13.89 | 14.76 | 15.04 | 16.62 | 19.73 | 20.02 | 20.89 | 21.17 | 22.75 |
| | 8H | 13.67 | 13.92 | 14.83 | 15.07 | 16.68 | 19.96 | 20.21 | 21.12 | 21.36 | 22.97 |