

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: P936548

Luminaire Tested: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936548
REPORT IS A COMBINATION OF REPORTS P933456 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

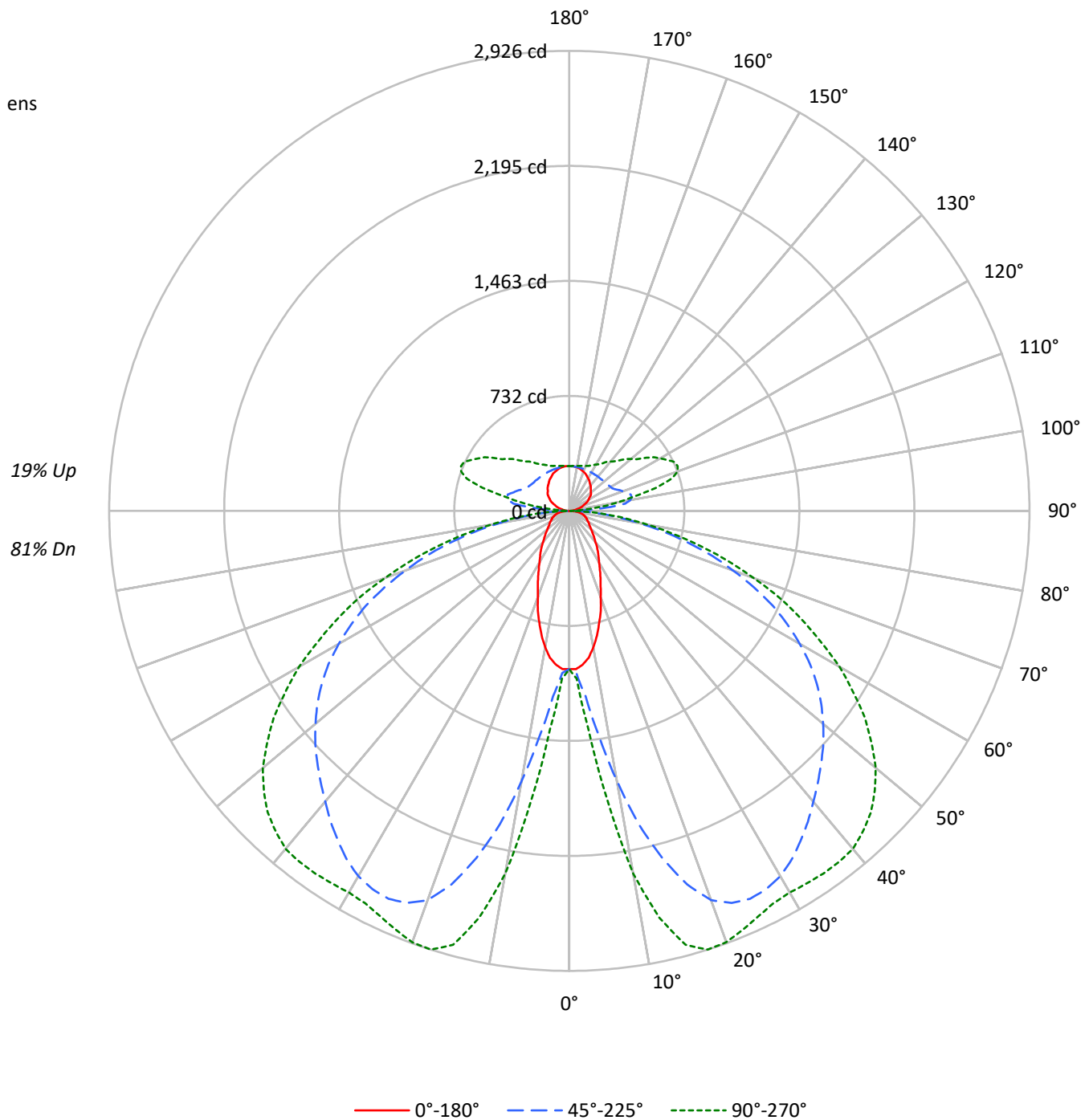
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9637.5 lumens
Efficiency: N/A
Efficacy: 97.2 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: Semi-Direct

Input Watts (W): 99.2
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: P936548
CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-8-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P936548

CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-8-6500K

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 110 | 110 | 110 | 110 | 100 | 100 | 100 | 92 | 92 | 92 | 84 | 84 | 84 | 84 | 84 | 84 | 81 |
| 1 | 104 | 99 | 94 | 90 | 99 | 95 | 91 | 87 | 87 | 84 | 81 | 80 | 77 | 75 | 73 | 71 | 70 | 70 | 70 | 70 | 66 |
| 2 | 94 | 85 | 78 | 72 | 89 | 82 | 75 | 70 | 75 | 70 | 66 | 69 | 65 | 61 | 63 | 60 | 57 | 57 | 57 | 57 | 54 |
| 3 | 85 | 74 | 66 | 59 | 81 | 71 | 64 | 58 | 65 | 59 | 54 | 60 | 55 | 51 | 55 | 51 | 48 | 48 | 48 | 48 | 45 |
| 4 | 77 | 65 | 56 | 49 | 74 | 63 | 54 | 48 | 58 | 51 | 45 | 53 | 47 | 43 | 49 | 44 | 40 | 40 | 40 | 40 | 37 |
| 5 | 71 | 58 | 49 | 42 | 67 | 55 | 47 | 41 | 51 | 44 | 39 | 47 | 41 | 36 | 43 | 38 | 34 | 34 | 34 | 34 | 32 |
| 6 | 65 | 51 | 42 | 36 | 62 | 49 | 41 | 35 | 46 | 39 | 33 | 42 | 36 | 31 | 39 | 34 | 30 | 30 | 30 | 30 | 27 |
| 7 | 60 | 46 | 37 | 31 | 57 | 45 | 36 | 30 | 41 | 34 | 29 | 38 | 32 | 27 | 35 | 30 | 26 | 26 | 26 | 26 | 24 |
| 8 | 55 | 42 | 33 | 27 | 53 | 40 | 32 | 27 | 37 | 30 | 25 | 35 | 29 | 24 | 32 | 27 | 23 | 23 | 23 | 23 | 21 |
| 9 | 52 | 38 | 30 | 24 | 49 | 37 | 29 | 24 | 34 | 27 | 23 | 32 | 26 | 22 | 29 | 24 | 20 | 20 | 20 | 20 | 18 |
| 10 | 48 | 35 | 27 | 22 | 46 | 34 | 26 | 21 | 31 | 25 | 20 | 29 | 23 | 19 | 27 | 22 | 18 | 18 | 18 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4670 | 4670 | 4670 |
| 5° | 4562 | 5397 | 6277 |
| 10° | 4138 | 7868 | 10407 |
| 15° | 3517 | 10279 | 12565 |
| 20° | 2863 | 11912 | 12806 |
| 25° | 2389 | 12465 | 12546 |
| 30° | 2014 | 12543 | 12522 |
| 35° | 1781 | 12335 | 12846 |
| 40° | 1552 | 12065 | 13180 |
| 45° | 1406 | 11866 | 13232 |
| 50° | 1289 | 11688 | 13013 |
| 55° | 1235 | 11427 | 12436 |
| 60° | 1263 | 10925 | 11525 |
| 65° | 1315 | 10162 | 10274 |
| 70° | 1401 | 8862 | 8679 |
| 75° | 1552 | 7226 | 6773 |
| 80° | 1697 | 5011 | 4564 |
| 85° | 1504 | 2659 | 2337 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 13232 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 130.2 | 1.4 |
| 10°-20° | 577.0 | 6.0 |
| 20°-30° | 1009.3 | 10.5 |
| 30°-40° | 1299.3 | 13.5 |
| 40°-50° | 1451.3 | 15.1 |
| 50°-60° | 1390.0 | 14.4 |
| 60°-70° | 1101.6 | 11.4 |
| 70°-80° | 647.8 | 6.7 |
| 80°-90° | 181.0 | 1.9 |
| 90°-100° | 139.1 | 1.4 |
| 100°-110° | 365.7 | 3.8 |
| 110°-120° | 379.2 | 3.9 |
| 120°-130° | 304.2 | 3.2 |
| 130°-140° | 238.7 | 2.5 |
| 140°-150° | 183.2 | 1.9 |
| 150°-160° | 131.9 | 1.4 |
| 160°-170° | 80.7 | 0.8 |
| 170°-180° | 27.3 | 0.3 |
| 0°-30° | 1716.5 | 17.8 |
| 0°-40° | 3015.8 | 31.3 |
| 0°-60° | 5857.0 | 60.8 |
| 0°-90° | 7787.4 | 80.8 |
| 90°-120° | 884.1 | 9.2 |
| 90°-150° | 1610.2 | 16.7 |
| 90°-180° | 1850.0 | 19.2 |
| 0°-180° | 9637.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1006 | 1006 | 1006 | 1006 | 1006 | |
| 5° | 981 | 1052 | 1184 | 1340 | 1388 | 91 |
| 15° | 735 | 1356 | 2285 | 2770 | 2858 | 204 |
| 25° | 469 | 1537 | 2722 | 2842 | 2845 | 216 |
| 35° | 317 | 1469 | 2563 | 2709 | 2816 | 198 |
| 45° | 217 | 1172 | 2265 | 2596 | 2712 | 168 |
| 55° | 155 | 744 | 1922 | 2233 | 2295 | 142 |
| 65° | 123 | 395 | 1427 | 1605 | 1628 | 122 |
| 75° | 91 | 243 | 783 | 861 | 864 | 95 |
| 85° | 32 | 74 | 194 | 214 | 217 | 34 |
| 90° | 2 | 5 | 14 | 7 | 7 | 4 |
| 95° | 18 | 72 | 240 | 124 | 84 | 20 |
| 105° | 66 | 100 | 404 | 614 | 573 | 70 |
| 115° | 117 | 142 | 324 | 646 | 737 | 116 |
| 125° | 163 | 182 | 295 | 498 | 587 | 145 |
| 135° | 194 | 214 | 285 | 402 | 456 | 150 |
| 145° | 225 | 239 | 282 | 343 | 370 | 141 |
| 155° | 254 | 261 | 282 | 309 | 318 | 117 |
| 165° | 274 | 278 | 282 | 293 | 296 | 77 |
| 175° | 285 | 285 | 284 | 287 | 287 | 27 |
| 180° | 285 | 285 | 285 | 285 | 285 | |



TEST NUMBER: P936548

CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1006.5 | 1006.5 | 1006.5 | 1006.5 | 1006.5 | 1006.5 | 1006.5 | 1006.5 | 1006.5 | 1006.5 | 1006.5 |
| 2.5° | 1006.5 | 1006.5 | 1013.0 | 1016.2 | 1022.6 | 1025.9 | 1032.4 | 1038.9 | 1058.3 | 1061.6 | 1068.0 |
| 5° | 980.6 | 993.6 | 1035.7 | 1051.8 | 1097.1 | 1158.6 | 1184.5 | 1226.6 | 1313.9 | 1339.8 | 1356.0 |
| 7.5° | 941.8 | 970.9 | 1074.5 | 1100.4 | 1213.6 | 1375.5 | 1443.4 | 1534.0 | 1673.1 | 1741.1 | 1796.2 |
| 10° | 880.3 | 941.8 | 1126.2 | 1187.7 | 1372.2 | 1618.2 | 1744.4 | 1870.6 | 2081.0 | 2174.9 | 2210.4 |
| 12.5° | 812.3 | 912.7 | 1181.3 | 1265.4 | 1530.8 | 1890.0 | 2042.1 | 2181.3 | 2420.8 | 2547.0 | 2566.4 |
| 15° | 734.6 | 870.6 | 1233.0 | 1356.0 | 1699.1 | 2116.5 | 2284.8 | 2456.4 | 2679.7 | 2770.3 | 2792.9 |
| 17.5° | 666.7 | 838.2 | 1281.6 | 1411.1 | 1828.5 | 2320.5 | 2491.9 | 2634.4 | 2815.6 | 2877.1 | 2893.2 |
| 20° | 582.5 | 786.5 | 1313.9 | 1482.2 | 1964.5 | 2469.4 | 2634.4 | 2744.4 | 2867.4 | 2906.3 | 2912.7 |
| 22.5° | 521.0 | 731.4 | 1333.4 | 1508.1 | 2055.0 | 2559.9 | 2699.1 | 2786.4 | 2870.6 | 2883.6 | 2886.8 |
| 25° | 469.3 | 669.9 | 1330.2 | 1537.3 | 2132.8 | 2615.0 | 2721.8 | 2786.4 | 2835.0 | 2841.5 | 2841.5 |
| 27.5° | 420.7 | 601.9 | 1317.2 | 1543.8 | 2191.0 | 2627.9 | 2712.1 | 2757.4 | 2780.0 | 2792.9 | 2792.9 |
| 30° | 378.7 | 537.2 | 1284.8 | 1530.8 | 2216.9 | 2615.0 | 2682.9 | 2705.5 | 2728.2 | 2747.6 | 2757.4 |
| 32.5° | 346.3 | 475.7 | 1236.3 | 1504.9 | 2220.1 | 2582.6 | 2631.2 | 2644.1 | 2676.5 | 2721.8 | 2738.0 |
| 35° | 317.2 | 414.2 | 1181.3 | 1469.3 | 2200.7 | 2530.9 | 2563.2 | 2576.1 | 2640.8 | 2708.8 | 2731.5 |
| 37.5° | 288.0 | 368.9 | 1110.0 | 1407.8 | 2171.6 | 2469.4 | 2491.9 | 2514.6 | 2615.0 | 2695.9 | 2721.8 |
| 40° | 258.9 | 330.1 | 1025.9 | 1339.8 | 2126.3 | 2394.9 | 2414.3 | 2449.9 | 2582.6 | 2676.5 | 2702.3 |
| 42.5° | 236.3 | 297.8 | 935.3 | 1268.7 | 2068.1 | 2310.7 | 2339.9 | 2391.6 | 2543.8 | 2644.1 | 2673.2 |
| 45° | 216.9 | 265.3 | 838.2 | 1171.5 | 1993.6 | 2223.3 | 2265.4 | 2336.6 | 2498.4 | 2595.6 | 2621.4 |
| 47.5° | 197.5 | 242.7 | 737.9 | 1071.2 | 1912.7 | 2135.9 | 2191.0 | 2271.9 | 2437.0 | 2530.9 | 2553.5 |
| 50° | 181.2 | 220.1 | 637.6 | 964.4 | 1825.3 | 2042.1 | 2106.9 | 2191.0 | 2359.3 | 2446.7 | 2475.8 |
| 52.5° | 168.3 | 200.6 | 543.7 | 857.6 | 1725.0 | 1945.0 | 2019.5 | 2106.9 | 2265.4 | 2349.6 | 2369.0 |
| 55° | 155.4 | 184.4 | 462.8 | 744.4 | 1621.4 | 1841.4 | 1922.4 | 2006.6 | 2161.9 | 2233.1 | 2246.0 |
| 57.5° | 148.9 | 171.5 | 394.8 | 637.6 | 1511.4 | 1725.0 | 1815.6 | 1893.3 | 2038.9 | 2093.9 | 2106.9 |
| 60° | 139.1 | 161.8 | 343.1 | 546.9 | 1391.6 | 1614.9 | 1692.6 | 1770.3 | 1893.3 | 1938.6 | 1948.2 |
| 62.5° | 129.5 | 155.4 | 304.3 | 459.5 | 1268.7 | 1485.4 | 1563.2 | 1634.3 | 1737.9 | 1770.3 | 1783.2 |
| 65° | 123.0 | 148.9 | 275.1 | 394.8 | 1142.5 | 1349.6 | 1427.2 | 1488.7 | 1572.8 | 1605.3 | 1611.7 |
| 67.5° | 116.5 | 142.4 | 252.4 | 339.8 | 1016.2 | 1213.6 | 1271.8 | 1330.2 | 1394.9 | 1427.2 | 1430.5 |
| 70° | 106.8 | 136.0 | 233.0 | 301.0 | 886.8 | 1058.3 | 1106.8 | 1168.3 | 1220.1 | 1236.3 | 1246.0 |
| 72.5° | 100.3 | 126.2 | 220.1 | 271.8 | 754.1 | 909.4 | 954.8 | 990.3 | 1035.7 | 1051.8 | 1051.8 |
| 75° | 90.6 | 113.3 | 207.1 | 242.7 | 618.2 | 744.4 | 783.2 | 818.8 | 854.4 | 860.9 | 851.2 |
| 77.5° | 80.9 | 100.3 | 178.0 | 203.9 | 482.2 | 589.0 | 621.3 | 640.8 | 669.9 | 676.4 | 679.7 |
| 80° | 68.0 | 87.4 | 139.1 | 158.5 | 349.5 | 433.6 | 456.3 | 472.6 | 498.4 | 498.4 | 504.9 |
| 82.5° | 51.8 | 68.0 | 100.3 | 113.3 | 236.3 | 297.8 | 317.2 | 326.8 | 343.1 | 343.1 | 343.1 |
| 85° | 32.3 | 42.1 | 64.7 | 74.4 | 142.4 | 181.2 | 194.2 | 197.5 | 210.4 | 213.6 | 213.6 |
| 87.5° | 16.2 | 22.7 | 42.1 | 45.3 | 74.4 | 93.9 | 93.9 | 100.3 | 100.3 | 97.1 | 93.9 |
| 90° | 1.9 | 3.4 | 5.0 | 5.4 | 8.4 | 12.5 | 14.5 | 12.9 | 9.7 | 7.3 | 7.3 |
| 92.5° | 7.6 | 20.7 | 33.8 | 37.0 | 52.0 | 72.0 | 81.9 | 71.8 | 51.6 | 36.4 | 35.0 |
| 95° | 18.4 | 42.2 | 66.1 | 72.0 | 127.8 | 202.3 | 239.6 | 213.8 | 162.3 | 123.5 | 119.1 |
| 97.5° | 31.8 | 52.9 | 73.8 | 79.1 | 172.2 | 296.4 | 358.6 | 342.3 | 309.7 | 285.2 | 276.9 |
| 100° | 42.2 | 61.2 | 80.2 | 85.0 | 188.4 | 326.2 | 395.1 | 396.3 | 398.7 | 400.5 | 390.6 |
| 102.5° | 51.0 | 68.8 | 86.5 | 90.9 | 195.8 | 335.6 | 405.5 | 426.3 | 467.8 | 498.9 | 490.4 |
| 105° | 65.9 | 81.0 | 96.1 | 99.8 | 201.4 | 336.7 | 404.4 | 450.9 | 544.1 | 613.9 | 609.3 |
| 107.5° | 81.2 | 95.2 | 109.3 | 112.8 | 202.3 | 321.7 | 381.3 | 446.3 | 576.2 | 673.6 | 674.8 |
| 110° | 91.6 | 104.2 | 116.9 | 120.1 | 200.8 | 308.4 | 362.2 | 434.8 | 580.0 | 688.9 | 693.7 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 101.7 | 113.8 | 125.8 | 128.9 | 200.9 | 296.8 | 344.8 | 419.1 | 567.7 | 679.2 | 686.5 |
| 115° | 117.0 | 128.1 | 139.3 | 142.1 | 202.7 | 283.5 | 323.9 | 395.5 | 538.7 | 646.1 | 656.2 |
| 117.5° | 132.1 | 142.3 | 152.4 | 155.0 | 206.5 | 275.2 | 309.5 | 374.2 | 503.3 | 600.3 | 611.6 |
| 120° | 140.9 | 150.5 | 160.1 | 162.5 | 209.6 | 272.4 | 303.8 | 362.8 | 480.9 | 569.4 | 580.3 |
| 122.5° | 149.5 | 159.2 | 168.9 | 171.3 | 214.0 | 270.9 | 299.4 | 352.5 | 458.9 | 538.6 | 549.4 |
| 125° | 162.8 | 171.6 | 180.3 | 182.5 | 219.9 | 269.7 | 294.6 | 339.7 | 430.1 | 497.8 | 507.7 |
| 127.5° | 173.5 | 182.3 | 191.2 | 193.4 | 225.9 | 269.0 | 290.6 | 329.4 | 407.0 | 465.1 | 473.5 |
| 130° | 179.3 | 188.8 | 198.3 | 200.7 | 230.2 | 269.5 | 289.1 | 323.6 | 392.6 | 444.3 | 452.1 |
| 132.5° | 185.2 | 194.8 | 204.2 | 206.6 | 233.7 | 269.7 | 287.7 | 318.6 | 380.4 | 426.7 | 433.7 |
| 135° | 194.0 | 202.7 | 211.4 | 213.6 | 237.5 | 269.5 | 285.4 | 311.3 | 363.1 | 401.9 | 407.8 |
| 137.5° | 203.0 | 211.6 | 220.2 | 222.4 | 243.3 | 271.1 | 285.0 | 306.9 | 350.6 | 383.4 | 388.3 |
| 140° | 210.5 | 218.4 | 226.3 | 228.3 | 246.8 | 271.4 | 283.7 | 302.6 | 340.4 | 368.7 | 373.3 |
| 142.5° | 216.3 | 223.6 | 230.9 | 232.7 | 249.8 | 272.4 | 283.7 | 300.3 | 333.5 | 358.4 | 362.3 |
| 145° | 225.1 | 231.5 | 237.8 | 239.4 | 253.6 | 272.4 | 281.8 | 295.4 | 322.5 | 342.9 | 345.9 |
| 147.5° | 233.9 | 240.1 | 246.3 | 247.8 | 259.1 | 274.2 | 281.8 | 292.5 | 313.8 | 329.8 | 332.3 |
| 150° | 239.6 | 245.3 | 250.8 | 252.2 | 262.1 | 275.2 | 281.8 | 290.8 | 308.9 | 322.3 | 324.3 |
| 152.5° | 245.6 | 249.8 | 254.1 | 255.1 | 264.0 | 275.9 | 281.8 | 289.4 | 304.8 | 316.4 | 317.9 |
| 155° | 254.3 | 257.5 | 260.7 | 261.4 | 268.2 | 277.3 | 281.8 | 287.9 | 300.1 | 309.3 | 310.3 |
| 157.5° | 260.8 | 263.9 | 267.0 | 267.7 | 272.4 | 278.6 | 281.8 | 286.6 | 296.0 | 303.2 | 303.9 |
| 160° | 265.2 | 267.6 | 270.0 | 270.6 | 274.3 | 279.3 | 281.8 | 285.9 | 294.0 | 300.1 | 300.5 |
| 162.5° | 269.6 | 271.5 | 273.2 | 273.7 | 276.3 | 280.0 | 281.8 | 285.2 | 292.1 | 297.3 | 297.7 |
| 165° | 274.5 | 276.1 | 277.8 | 278.2 | 279.4 | 281.0 | 281.8 | 284.3 | 289.2 | 292.9 | 293.3 |
| 167.5° | 278.9 | 279.7 | 280.5 | 280.6 | 281.7 | 283.0 | 283.7 | 285.3 | 288.6 | 291.0 | 291.2 |
| 170° | 281.8 | 282.6 | 283.3 | 283.5 | 283.6 | 283.7 | 283.7 | 285.3 | 288.6 | 291.0 | 291.0 |
| 172.5° | 283.3 | 283.5 | 283.7 | 283.7 | 283.7 | 283.7 | 283.7 | 284.9 | 287.5 | 289.4 | 289.2 |
| 175° | 285.4 | 285.4 | 285.4 | 285.4 | 284.8 | 284.1 | 283.7 | 284.5 | 286.1 | 287.3 | 287.3 |
| 177.5° | 285.4 | 285.4 | 285.4 | 285.4 | 284.9 | 284.4 | 284.1 | 284.8 | 286.0 | 287.0 | 286.8 |
| 180° | 285.4 | 285.4 | 285.4 | 285.4 | 285.4 | 285.4 | 285.4 | 285.4 | 285.4 | 285.4 | 285.4 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1006.5 | 1006.5 |
| 2.5° | 1074.5 | 1068.0 |
| 5° | 1381.9 | 1388.4 |
| 7.5° | 1860.8 | 1857.7 |
| 10° | 2314.0 | 2343.2 |
| 12.5° | 2644.1 | 2650.6 |
| 15° | 2844.8 | 2857.7 |
| 17.5° | 2922.4 | 2925.7 |
| 20° | 2925.7 | 2919.2 |
| 22.5° | 2890.1 | 2883.6 |
| 25° | 2848.0 | 2844.8 |
| 27.5° | 2809.1 | 2812.4 |
| 30° | 2792.9 | 2802.7 |
| 32.5° | 2792.9 | 2809.1 |
| 35° | 2799.4 | 2815.6 |
| 37.5° | 2796.2 | 2815.6 |
| 40° | 2783.3 | 2805.9 |
| 42.5° | 2747.6 | 2763.9 |
| 45° | 2692.6 | 2712.1 |
| 47.5° | 2621.4 | 2634.4 |
| 50° | 2530.9 | 2543.8 |
| 52.5° | 2417.5 | 2420.8 |
| 55° | 2281.6 | 2294.6 |
| 57.5° | 2135.9 | 2139.2 |
| 60° | 1974.2 | 1983.9 |
| 62.5° | 1802.6 | 1802.6 |
| 65° | 1621.4 | 1627.9 |
| 67.5° | 1433.7 | 1449.9 |
| 70° | 1242.8 | 1246.0 |
| 72.5° | 1055.1 | 1055.1 |
| 75° | 860.9 | 864.1 |
| 77.5° | 676.4 | 676.4 |
| 80° | 501.6 | 504.9 |
| 82.5° | 346.3 | 352.7 |
| 85° | 216.9 | 216.9 |
| 87.5° | 100.3 | 90.6 |
| 90° | 7.3 | 7.3 |
| 92.5° | 29.2 | 23.3 |
| 95° | 101.6 | 84.0 |
| 97.5° | 243.4 | 210.1 |
| 100° | 350.8 | 311.0 |
| 102.5° | 456.4 | 422.4 |
| 105° | 591.0 | 572.7 |
| 107.5° | 679.2 | 683.6 |
| 110° | 712.7 | 731.9 |



TEST NUMBER: P936548

CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 715.8 | 745.1 |
| 115° | 696.9 | 737.4 |
| 117.5° | 656.6 | 701.7 |
| 120° | 624.1 | 667.9 |
| 122.5° | 592.6 | 635.7 |
| 125° | 547.5 | 587.3 |
| 127.5° | 507.0 | 540.5 |
| 130° | 483.1 | 514.0 |
| 132.5° | 461.5 | 489.2 |
| 135° | 431.7 | 455.6 |
| 137.5° | 407.9 | 427.5 |
| 140° | 391.6 | 409.9 |
| 142.5° | 378.1 | 393.8 |
| 145° | 357.8 | 369.7 |
| 147.5° | 342.1 | 352.1 |
| 150° | 332.4 | 340.4 |
| 152.5° | 324.0 | 330.0 |
| 155° | 314.3 | 318.3 |
| 157.5° | 306.7 | 309.5 |
| 160° | 302.2 | 303.8 |
| 162.5° | 299.2 | 300.7 |
| 165° | 294.9 | 296.5 |
| 167.5° | 291.8 | 292.5 |
| 170° | 291.0 | 291.0 |
| 172.5° | 288.7 | 288.1 |
| 175° | 287.3 | 287.3 |
| 177.5° | 286.1 | 285.4 |
| 180° | 285.4 | 285.4 |



TEST NUMBER: P936548
 CATALOG NUMBER: SQ4-FB-025U-125D-92765-1D-UNV-STD-W-8-6500K

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 | 8.78 | 10.09 | 9.41 | 10.74 | 11.48 | 21.96 | 23.26 | 22.59 | 23.92 | 24.66 |
| | 3H | 9.52 | 10.70 | 10.16 | 11.36 | 12.14 | 23.83 | 25.01 | 24.48 | 25.67 | 26.45 |
| | 4H | 9.84 | 10.95 | 10.50 | 11.62 | 12.42 | 24.50 | 25.61 | 25.16 | 26.28 | 27.08 |
| | 6H | 10.11 | 11.14 | 10.79 | 11.83 | 12.64 | 24.95 | 25.98 | 25.63 | 26.66 | 27.48 |
| | 8H | 10.19 | 11.18 | 10.88 | 11.88 | 12.69 | 25.08 | 26.07 | 25.77 | 26.77 | 27.59 |
| | 12H | 10.22 | 11.17 | 10.92 | 11.86 | 12.71 | 25.17 | 26.11 | 25.86 | 26.81 | 27.65 |
| 4H | 2H | 16.05 | 17.16 | 16.72 | 17.84 | 18.63 | 22.29 | 23.40 | 22.95 | 24.07 | 24.87 |
| | 3H | 17.66 | 18.59 | 18.34 | 19.30 | 20.12 | 24.37 | 25.31 | 25.05 | 26.02 | 26.83 |
| | 4H | 17.77 | 18.62 | 18.47 | 19.34 | 20.18 | 25.16 | 26.01 | 25.86 | 26.72 | 27.57 |
| | 6H | 17.81 | 18.55 | 18.52 | 19.29 | 20.14 | 25.72 | 26.47 | 26.44 | 27.20 | 28.06 |
| | 8H | 17.80 | 18.49 | 18.52 | 19.23 | 20.09 | 25.90 | 26.59 | 26.62 | 27.33 | 28.19 |
| | 12H | 17.77 | 18.40 | 18.52 | 19.16 | 20.03 | 26.01 | 26.64 | 26.76 | 27.40 | 28.27 |
| 8H | 4H | 19.25 | 19.95 | 19.97 | 20.68 | 21.55 | 25.26 | 25.95 | 25.98 | 26.69 | 27.55 |
| | 6H | 19.52 | 20.09 | 20.27 | 20.87 | 21.74 | 25.91 | 26.49 | 26.66 | 27.26 | 28.13 |
| | 8H | 19.54 | 20.06 | 20.30 | 20.84 | 21.72 | 26.13 | 26.65 | 26.90 | 27.43 | 28.31 |
| | 12H | 19.53 | 19.99 | 20.30 | 20.76 | 21.70 | 26.30 | 26.75 | 27.07 | 27.52 | 28.47 |
| 12H | 4H | 19.42 | 20.05 | 20.16 | 20.81 | 21.68 | 25.23 | 25.86 | 25.97 | 26.62 | 27.49 |
| | 6H | 19.78 | 20.30 | 20.54 | 21.08 | 21.96 | 25.90 | 26.41 | 26.66 | 27.19 | 28.07 |
| | 8H | 19.87 | 20.33 | 20.64 | 21.10 | 22.04 | 26.15 | 26.60 | 26.91 | 27.37 | 28.32 |