

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: P936376

Luminaire Tested: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936376
REPORT IS A COMBINATION OF REPORTS P933454 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

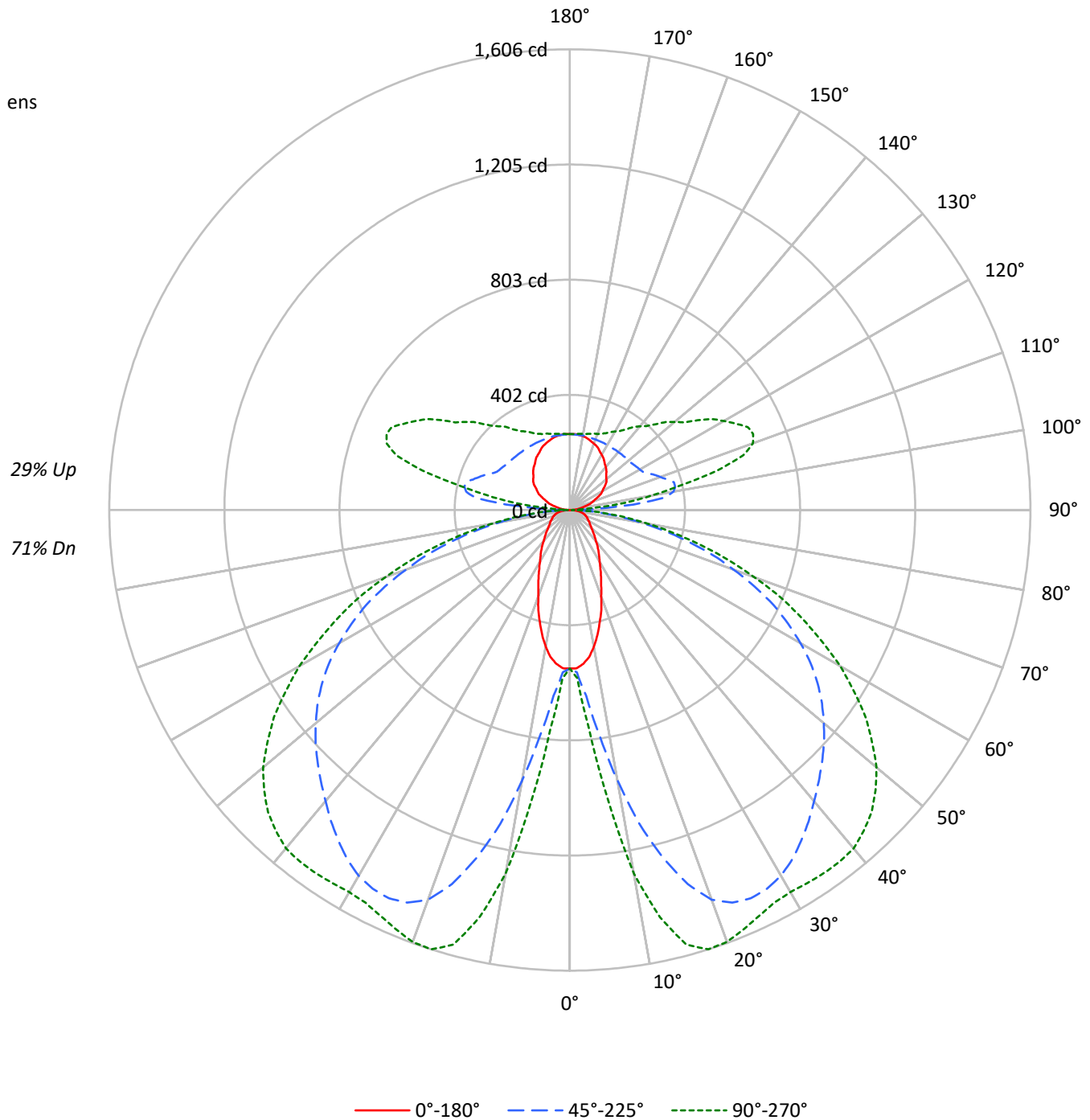
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5992.2 lumens
Efficiency: N/A
Efficacy: 99.9 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): 60
Input Voltage (V): NR
Input Current (Ain): 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: P936376
CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P936376

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8

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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 76 | 76 | 76 | 71 |
| 1 | 102 | 97 | 93 | 89 | 96 | 92 | 88 | 85 | 82 | 79 | 77 | 74 | 71 | 69 | 66 | 64 | 62 | 62 | 62 | 62 | 58 |
| 2 | 92 | 84 | 77 | 71 | 87 | 79 | 73 | 68 | 71 | 66 | 62 | 64 | 60 | 57 | 57 | 54 | 51 | 51 | 51 | 51 | 48 |
| 3 | 83 | 73 | 65 | 58 | 79 | 69 | 62 | 56 | 62 | 56 | 51 | 56 | 51 | 47 | 50 | 46 | 43 | 43 | 43 | 43 | 39 |
| 4 | 76 | 64 | 55 | 49 | 71 | 61 | 53 | 47 | 55 | 48 | 43 | 49 | 44 | 39 | 44 | 40 | 36 | 36 | 36 | 36 | 33 |
| 5 | 69 | 57 | 48 | 41 | 65 | 54 | 46 | 40 | 49 | 42 | 37 | 44 | 38 | 34 | 39 | 34 | 31 | 31 | 31 | 31 | 28 |
| 6 | 64 | 51 | 42 | 35 | 60 | 48 | 40 | 34 | 43 | 37 | 32 | 39 | 33 | 29 | 35 | 30 | 27 | 27 | 27 | 27 | 24 |
| 7 | 59 | 45 | 37 | 31 | 55 | 43 | 35 | 30 | 39 | 32 | 27 | 35 | 30 | 25 | 32 | 27 | 23 | 23 | 23 | 23 | 21 |
| 8 | 54 | 41 | 33 | 27 | 51 | 39 | 31 | 26 | 36 | 29 | 24 | 32 | 26 | 22 | 29 | 24 | 21 | 21 | 21 | 21 | 18 |
| 9 | 51 | 37 | 29 | 24 | 48 | 36 | 28 | 23 | 32 | 26 | 21 | 29 | 24 | 20 | 26 | 22 | 18 | 18 | 18 | 18 | 16 |
| 10 | 47 | 34 | 26 | 21 | 45 | 33 | 25 | 21 | 30 | 23 | 19 | 27 | 22 | 18 | 24 | 20 | 16 | 16 | 16 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 2562 | 2562 | 2562 |
| 5° | 2503 | 2962 | 3445 |
| 10° | 2271 | 4318 | 5711 |
| 15° | 1930 | 5641 | 6896 |
| 20° | 1571 | 6537 | 7028 |
| 25° | 1311 | 6841 | 6885 |
| 30° | 1105 | 6884 | 6872 |
| 35° | 977 | 6770 | 7050 |
| 40° | 852 | 6621 | 7234 |
| 45° | 771 | 6512 | 7262 |
| 50° | 708 | 6415 | 7141 |
| 55° | 677 | 6271 | 6825 |
| 60° | 694 | 5995 | 6325 |
| 65° | 722 | 5577 | 5638 |
| 70° | 769 | 4863 | 4763 |
| 75° | 851 | 3965 | 3717 |
| 80° | 931 | 2750 | 2505 |
| 85° | 829 | 1460 | 1282 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7262 cd/sqm



TEST NUMBER: P936376

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.4 | 1.2 |
| 10°-20° | 316.7 | 5.3 |
| 20°-30° | 553.9 | 9.2 |
| 30°-40° | 713.0 | 11.9 |
| 40°-50° | 796.4 | 13.3 |
| 50°-60° | 762.8 | 12.7 |
| 60°-70° | 604.5 | 10.1 |
| 70°-80° | 355.5 | 5.9 |
| 80°-90° | 99.8 | 1.7 |
| 90°-100° | 129.2 | 2.2 |
| 100°-110° | 339.7 | 5.7 |
| 110°-120° | 352.2 | 5.9 |
| 120°-130° | 282.5 | 4.7 |
| 130°-140° | 221.7 | 3.7 |
| 140°-150° | 170.1 | 2.8 |
| 150°-160° | 122.5 | 2.0 |
| 160°-170° | 75.0 | 1.3 |
| 170°-180° | 25.3 | 0.4 |
| 0°-30° | 942.0 | 15.7 |
| 0°-40° | 1655.1 | 27.6 |
| 0°-60° | 3214.3 | 53.6 |
| 0°-90° | 4274.1 | 71.3 |
| 90°-120° | 821.0 | 13.7 |
| 90°-150° | 1495.3 | 25.0 |
| 90°-180° | 1718.0 | 28.7 |
| 0°-180° | 5992.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|------|-------|------|------|
| 0° | 552 | 552 | 552 | 552 | 552 | |
| 5° | 538 | 577 | 650 | 735 | 762 | 50 |
| 15° | 403 | 744 | 1254 | 1520 | 1568 | 112 |
| 25° | 258 | 844 | 1494 | 1559 | 1561 | 119 |
| 35° | 174 | 806 | 1407 | 1487 | 1545 | 109 |
| 45° | 119 | 643 | 1243 | 1424 | 1488 | 92 |
| 55° | 85 | 408 | 1055 | 1226 | 1259 | 78 |
| 65° | 68 | 217 | 783 | 881 | 893 | 67 |
| 75° | 50 | 133 | 430 | 472 | 474 | 52 |
| 85° | 18 | 41 | 107 | 117 | 119 | 19 |
| 90° | 2 | 5 | 14 | 7 | 7 | 3 |
| 95° | 17 | 67 | 222 | 115 | 78 | 19 |
| 105° | 61 | 93 | 376 | 570 | 532 | 65 |
| 115° | 109 | 132 | 301 | 600 | 685 | 107 |
| 125° | 151 | 170 | 274 | 462 | 545 | 134 |
| 135° | 180 | 198 | 265 | 373 | 423 | 139 |
| 145° | 209 | 222 | 262 | 318 | 343 | 131 |
| 155° | 236 | 243 | 262 | 287 | 296 | 109 |
| 165° | 255 | 258 | 262 | 272 | 275 | 72 |
| 175° | 265 | 265 | 264 | 267 | 267 | 25 |
| 180° | 265 | 265 | 265 | 265 | 265 | |



TEST NUMBER: P936376
 CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 552.3 | 552.3 | 552.3 | 552.3 | 552.3 | 552.3 | 552.3 | 552.3 | 552.3 | 552.3 | 552.3 |
| 2.5° | 552.3 | 552.3 | 555.9 | 557.7 | 561.2 | 563.0 | 566.5 | 570.1 | 580.8 | 582.5 | 586.1 |
| 5° | 538.1 | 545.2 | 568.3 | 577.2 | 602.1 | 635.8 | 650.0 | 673.1 | 721.1 | 735.3 | 744.1 |
| 7.5° | 516.8 | 532.8 | 589.6 | 603.8 | 666.0 | 754.8 | 792.1 | 841.8 | 918.2 | 955.5 | 985.7 |
| 10° | 483.1 | 516.8 | 618.0 | 651.8 | 753.0 | 888.0 | 957.3 | 1026.6 | 1142.1 | 1193.6 | 1213.1 |
| 12.5° | 445.8 | 500.8 | 648.2 | 694.4 | 840.0 | 1037.3 | 1120.7 | 1197.1 | 1328.5 | 1397.8 | 1408.5 |
| 15° | 403.2 | 477.7 | 676.7 | 744.1 | 932.4 | 1161.6 | 1253.9 | 1348.1 | 1470.6 | 1520.3 | 1532.8 |
| 17.5° | 365.9 | 460.0 | 703.3 | 774.3 | 1003.4 | 1273.5 | 1367.6 | 1445.8 | 1545.2 | 1579.0 | 1587.8 |
| 20° | 319.7 | 431.6 | 721.1 | 813.4 | 1078.1 | 1355.2 | 1445.8 | 1506.1 | 1573.6 | 1594.9 | 1598.5 |
| 22.5° | 285.9 | 401.4 | 731.7 | 827.6 | 1127.8 | 1404.9 | 1481.3 | 1529.2 | 1575.4 | 1582.5 | 1584.3 |
| 25° | 257.5 | 367.6 | 729.9 | 843.6 | 1170.5 | 1435.1 | 1493.7 | 1529.2 | 1555.9 | 1559.4 | 1559.4 |
| 27.5° | 230.9 | 330.3 | 722.8 | 847.2 | 1202.4 | 1442.2 | 1488.4 | 1513.2 | 1525.7 | 1532.8 | 1532.8 |
| 30° | 207.8 | 294.8 | 705.1 | 840.0 | 1216.6 | 1435.1 | 1472.4 | 1484.8 | 1497.3 | 1507.9 | 1513.2 |
| 32.5° | 190.0 | 261.1 | 678.4 | 825.8 | 1218.4 | 1417.3 | 1444.0 | 1451.1 | 1468.8 | 1493.7 | 1502.6 |
| 35° | 174.0 | 227.3 | 648.2 | 806.3 | 1207.8 | 1388.9 | 1406.7 | 1413.8 | 1449.3 | 1486.6 | 1499.0 |
| 37.5° | 158.1 | 202.5 | 609.2 | 772.6 | 1191.8 | 1355.2 | 1367.6 | 1380.0 | 1435.1 | 1479.5 | 1493.7 |
| 40° | 142.1 | 181.2 | 563.0 | 735.3 | 1166.9 | 1314.3 | 1325.0 | 1344.5 | 1417.3 | 1468.8 | 1483.0 |
| 42.5° | 129.6 | 163.4 | 513.3 | 696.2 | 1135.0 | 1268.2 | 1284.1 | 1312.6 | 1396.0 | 1451.1 | 1467.1 |
| 45° | 119.0 | 145.6 | 460.0 | 642.9 | 1094.1 | 1220.2 | 1243.3 | 1282.4 | 1371.2 | 1424.4 | 1438.6 |
| 47.5° | 108.3 | 133.2 | 404.9 | 587.9 | 1049.7 | 1172.2 | 1202.4 | 1246.8 | 1337.4 | 1388.9 | 1401.4 |
| 50° | 99.5 | 120.8 | 349.9 | 529.2 | 1001.7 | 1120.7 | 1156.3 | 1202.4 | 1294.8 | 1342.7 | 1358.7 |
| 52.5° | 92.4 | 110.1 | 298.4 | 470.6 | 946.6 | 1067.5 | 1108.3 | 1156.3 | 1243.3 | 1289.5 | 1300.1 |
| 55° | 85.2 | 101.2 | 254.0 | 408.5 | 889.8 | 1010.6 | 1055.0 | 1101.2 | 1186.5 | 1225.5 | 1232.6 |
| 57.5° | 81.7 | 94.1 | 216.7 | 349.9 | 829.4 | 946.6 | 996.3 | 1039.0 | 1119.0 | 1149.2 | 1156.3 |
| 60° | 76.4 | 88.8 | 188.3 | 300.1 | 763.7 | 886.2 | 928.8 | 971.5 | 1039.0 | 1063.9 | 1069.2 |
| 62.5° | 71.0 | 85.2 | 166.9 | 252.2 | 696.2 | 815.2 | 857.8 | 896.9 | 953.7 | 971.5 | 978.6 |
| 65° | 67.5 | 81.7 | 151.0 | 216.7 | 626.9 | 740.6 | 783.2 | 817.0 | 863.1 | 880.9 | 884.4 |
| 67.5° | 63.9 | 78.1 | 138.5 | 186.5 | 557.7 | 666.0 | 698.0 | 729.9 | 765.5 | 783.2 | 785.0 |
| 70° | 58.6 | 74.6 | 127.9 | 165.2 | 486.6 | 580.8 | 607.4 | 641.1 | 669.6 | 678.4 | 683.8 |
| 72.5° | 55.1 | 69.3 | 120.8 | 149.2 | 413.8 | 499.1 | 523.9 | 543.5 | 568.3 | 577.2 | 577.2 |
| 75° | 49.7 | 62.2 | 113.7 | 133.2 | 339.2 | 408.5 | 429.8 | 449.3 | 468.9 | 472.4 | 467.1 |
| 77.5° | 44.4 | 55.1 | 97.7 | 111.9 | 264.6 | 323.2 | 341.0 | 351.6 | 367.6 | 371.2 | 373.0 |
| 80° | 37.3 | 48.0 | 76.4 | 87.0 | 191.8 | 238.0 | 250.4 | 259.3 | 273.5 | 273.5 | 277.1 |
| 82.5° | 28.4 | 37.3 | 55.1 | 62.2 | 129.6 | 163.4 | 174.0 | 179.4 | 188.3 | 188.3 | 188.3 |
| 85° | 17.8 | 23.1 | 35.5 | 40.8 | 78.1 | 99.5 | 106.6 | 108.3 | 115.4 | 117.2 | 117.2 |
| 87.5° | 8.9 | 12.4 | 23.1 | 24.9 | 40.8 | 51.5 | 51.5 | 55.1 | 55.1 | 53.3 | 51.5 |
| 90° | 1.8 | 3.2 | 4.6 | 5.0 | 7.8 | 11.6 | 13.5 | 12.0 | 9.0 | 6.7 | 6.7 |
| 92.5° | 7.1 | 19.2 | 31.3 | 34.4 | 48.3 | 66.9 | 76.1 | 66.7 | 48.0 | 33.8 | 32.5 |
| 95° | 17.0 | 39.2 | 61.4 | 66.9 | 118.7 | 187.9 | 222.5 | 198.6 | 150.7 | 114.7 | 110.6 |
| 97.5° | 29.6 | 49.1 | 68.6 | 73.4 | 159.9 | 275.3 | 333.0 | 317.9 | 287.6 | 264.9 | 257.2 |
| 100° | 39.2 | 56.8 | 74.5 | 78.9 | 174.9 | 302.9 | 366.9 | 368.1 | 370.3 | 372.0 | 362.7 |
| 102.5° | 47.3 | 63.8 | 80.4 | 84.4 | 181.9 | 311.7 | 376.6 | 395.9 | 434.4 | 463.4 | 455.5 |
| 105° | 61.2 | 75.2 | 89.2 | 92.7 | 187.0 | 312.7 | 375.5 | 418.8 | 505.3 | 570.1 | 565.8 |
| 107.5° | 75.4 | 88.4 | 101.5 | 104.8 | 187.9 | 298.7 | 354.1 | 414.4 | 535.1 | 625.6 | 626.7 |
| 110° | 85.1 | 96.8 | 108.6 | 111.5 | 186.5 | 286.4 | 336.4 | 403.8 | 538.7 | 639.8 | 644.2 |



TEST NUMBER: P936376

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 94.5 | 105.7 | 116.9 | 119.7 | 186.6 | 275.6 | 320.2 | 389.2 | 527.2 | 630.7 | 637.6 |
| 115° | 108.7 | 119.0 | 129.4 | 132.0 | 188.3 | 263.3 | 300.8 | 367.3 | 500.3 | 600.0 | 609.4 |
| 117.5° | 122.7 | 132.1 | 141.5 | 143.9 | 191.8 | 255.6 | 287.4 | 347.5 | 467.4 | 557.5 | 568.0 |
| 120° | 130.9 | 139.8 | 148.7 | 150.9 | 194.6 | 253.0 | 282.1 | 336.9 | 446.6 | 528.8 | 538.9 |
| 122.5° | 138.9 | 147.9 | 156.8 | 159.0 | 198.7 | 251.6 | 278.0 | 327.4 | 426.2 | 500.2 | 510.2 |
| 125° | 151.2 | 159.4 | 167.5 | 169.5 | 204.2 | 250.5 | 273.6 | 315.5 | 399.4 | 462.3 | 471.5 |
| 127.5° | 161.2 | 169.3 | 177.6 | 179.6 | 209.7 | 249.8 | 269.9 | 305.9 | 377.9 | 431.9 | 439.7 |
| 130° | 166.5 | 175.4 | 184.2 | 186.4 | 213.7 | 250.2 | 268.4 | 300.5 | 364.6 | 412.7 | 419.8 |
| 132.5° | 172.0 | 180.9 | 189.7 | 191.9 | 217.0 | 250.5 | 267.2 | 295.9 | 353.2 | 396.3 | 402.8 |
| 135° | 180.2 | 188.3 | 196.3 | 198.4 | 220.6 | 250.2 | 265.1 | 289.1 | 337.2 | 373.2 | 378.7 |
| 137.5° | 188.5 | 196.5 | 204.5 | 206.5 | 225.9 | 251.7 | 264.7 | 285.0 | 325.6 | 356.1 | 360.6 |
| 140° | 195.4 | 202.8 | 210.2 | 212.1 | 229.2 | 252.0 | 263.5 | 281.1 | 316.1 | 342.4 | 346.7 |
| 142.5° | 200.9 | 207.6 | 214.5 | 216.1 | 231.9 | 253.0 | 263.5 | 278.9 | 309.7 | 332.8 | 336.5 |
| 145° | 209.0 | 215.0 | 220.8 | 222.4 | 235.5 | 253.0 | 261.7 | 274.3 | 299.5 | 318.4 | 321.2 |
| 147.5° | 217.2 | 223.0 | 228.7 | 230.2 | 240.6 | 254.7 | 261.7 | 271.6 | 291.4 | 306.3 | 308.6 |
| 150° | 222.5 | 227.8 | 232.9 | 234.3 | 243.4 | 255.6 | 261.7 | 270.0 | 286.8 | 299.3 | 301.2 |
| 152.5° | 228.0 | 231.9 | 235.9 | 236.9 | 245.2 | 256.2 | 261.7 | 268.8 | 283.1 | 293.8 | 295.3 |
| 155° | 236.2 | 239.1 | 242.1 | 242.8 | 249.1 | 257.5 | 261.7 | 267.4 | 278.7 | 287.3 | 288.2 |
| 157.5° | 242.2 | 245.1 | 247.9 | 248.6 | 253.0 | 258.8 | 261.7 | 266.1 | 274.9 | 281.6 | 282.2 |
| 160° | 246.3 | 248.6 | 250.8 | 251.3 | 254.8 | 259.4 | 261.7 | 265.5 | 273.1 | 278.7 | 279.1 |
| 162.5° | 250.4 | 252.1 | 253.7 | 254.1 | 256.6 | 260.0 | 261.7 | 264.9 | 271.3 | 276.1 | 276.4 |
| 165° | 254.9 | 256.5 | 258.0 | 258.3 | 259.5 | 261.0 | 261.7 | 264.0 | 268.5 | 272.0 | 272.3 |
| 167.5° | 259.0 | 259.7 | 260.5 | 260.6 | 261.6 | 262.8 | 263.5 | 265.0 | 268.0 | 270.2 | 270.4 |
| 170° | 261.7 | 262.4 | 263.1 | 263.3 | 263.4 | 263.5 | 263.5 | 265.0 | 268.0 | 270.2 | 270.2 |
| 172.5° | 263.1 | 263.3 | 263.5 | 263.5 | 263.5 | 263.5 | 263.5 | 264.6 | 267.0 | 268.8 | 268.6 |
| 175° | 265.1 | 265.1 | 265.1 | 265.1 | 264.5 | 263.8 | 263.5 | 264.2 | 265.7 | 266.8 | 266.8 |
| 177.5° | 265.1 | 265.1 | 265.1 | 265.1 | 264.6 | 264.1 | 263.8 | 264.4 | 265.6 | 266.5 | 266.3 |
| 180° | 265.1 | 265.1 | 265.1 | 265.1 | 265.1 | 265.1 | 265.1 | 265.1 | 265.1 | 265.1 | 265.1 |



TEST NUMBER: P936376

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 552.3 | 552.3 |
| 2.5° | 589.6 | 586.1 |
| 5° | 758.4 | 761.9 |
| 7.5° | 1021.3 | 1019.5 |
| 10° | 1269.9 | 1285.9 |
| 12.5° | 1451.1 | 1454.6 |
| 15° | 1561.2 | 1568.3 |
| 17.5° | 1603.8 | 1605.6 |
| 20° | 1605.6 | 1602.0 |
| 22.5° | 1586.1 | 1582.5 |
| 25° | 1563.0 | 1561.2 |
| 27.5° | 1541.7 | 1543.4 |
| 30° | 1532.8 | 1538.1 |
| 32.5° | 1532.8 | 1541.7 |
| 35° | 1536.3 | 1545.2 |
| 37.5° | 1534.6 | 1545.2 |
| 40° | 1527.4 | 1539.9 |
| 42.5° | 1507.9 | 1516.8 |
| 45° | 1477.7 | 1488.4 |
| 47.5° | 1438.6 | 1445.8 |
| 50° | 1388.9 | 1396.0 |
| 52.5° | 1326.8 | 1328.5 |
| 55° | 1252.2 | 1259.3 |
| 57.5° | 1172.2 | 1174.0 |
| 60° | 1083.4 | 1088.8 |
| 62.5° | 989.2 | 989.2 |
| 65° | 889.8 | 893.3 |
| 67.5° | 786.8 | 795.6 |
| 70° | 682.0 | 683.8 |
| 72.5° | 579.0 | 579.0 |
| 75° | 472.4 | 474.2 |
| 77.5° | 371.2 | 371.2 |
| 80° | 275.3 | 277.1 |
| 82.5° | 190.0 | 193.6 |
| 85° | 119.0 | 119.0 |
| 87.5° | 55.1 | 49.7 |
| 90° | 6.7 | 6.7 |
| 92.5° | 27.1 | 21.7 |
| 95° | 94.4 | 78.1 |
| 97.5° | 226.1 | 195.1 |
| 100° | 325.8 | 288.9 |
| 102.5° | 423.8 | 392.2 |
| 105° | 548.9 | 531.8 |
| 107.5° | 630.7 | 634.8 |
| 110° | 661.9 | 679.7 |



TEST NUMBER: P936376

CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 664.8 | 691.9 |
| 115° | 647.2 | 684.8 |
| 117.5° | 609.8 | 651.6 |
| 120° | 579.6 | 620.3 |
| 122.5° | 550.3 | 590.3 |
| 125° | 508.5 | 545.4 |
| 127.5° | 470.8 | 502.0 |
| 130° | 448.6 | 477.4 |
| 132.5° | 428.5 | 454.3 |
| 135° | 400.9 | 423.1 |
| 137.5° | 378.8 | 397.0 |
| 140° | 363.6 | 380.7 |
| 142.5° | 351.1 | 365.7 |
| 145° | 332.3 | 343.3 |
| 147.5° | 317.7 | 327.0 |
| 150° | 308.7 | 316.1 |
| 152.5° | 300.9 | 306.4 |
| 155° | 291.9 | 295.6 |
| 157.5° | 284.9 | 287.4 |
| 160° | 280.6 | 282.1 |
| 162.5° | 277.9 | 279.3 |
| 165° | 273.9 | 275.4 |
| 167.5° | 271.0 | 271.6 |
| 170° | 270.2 | 270.2 |
| 172.5° | 268.1 | 267.6 |
| 175° | 266.8 | 266.8 |
| 177.5° | 265.7 | 265.1 |
| 180° | 265.1 | 265.1 |



TEST NUMBER: P936376
 CATALOG NUMBER: SQ4-FB-025U-075D-940-1D-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 | 6.02 | 7.17 | 6.76 | 7.94 | 8.87 | 19.19 | 20.35 | 19.94 | 21.12 | 22.04 |
| | 3H | 6.74 | 7.78 | 7.50 | 8.56 | 9.52 | 21.05 | 22.10 | 21.81 | 22.87 | 23.83 |
| | 4H | 7.05 | 8.04 | 7.83 | 8.83 | 9.79 | 21.71 | 22.70 | 22.48 | 23.49 | 24.45 |
| | 6H | 7.32 | 8.23 | 8.11 | 9.03 | 10.01 | 22.16 | 23.07 | 22.94 | 23.87 | 24.85 |
| | 8H | 7.40 | 8.27 | 8.19 | 9.08 | 10.07 | 22.29 | 23.16 | 23.08 | 23.97 | 24.96 |
| | 12H | 7.42 | 8.25 | 8.23 | 9.06 | 10.08 | 22.37 | 23.20 | 23.17 | 24.01 | 25.02 |
| 4H | 2H | 13.26 | 14.25 | 14.04 | 15.04 | 16.01 | 19.50 | 20.49 | 20.28 | 21.28 | 22.24 |
| | 3H | 14.86 | 15.69 | 15.65 | 16.51 | 17.49 | 21.57 | 22.40 | 22.36 | 23.22 | 24.21 |
| | 4H | 14.97 | 15.72 | 15.77 | 16.54 | 17.55 | 22.35 | 23.11 | 23.16 | 23.93 | 24.94 |
| | 6H | 14.99 | 15.65 | 15.81 | 16.50 | 17.51 | 22.91 | 23.57 | 23.73 | 24.41 | 25.43 |
| | 8H | 14.98 | 15.59 | 15.80 | 16.43 | 17.47 | 23.08 | 23.69 | 23.91 | 24.54 | 25.57 |
| | 12H | 14.95 | 15.50 | 15.80 | 16.37 | 17.40 | 23.19 | 23.74 | 24.03 | 24.60 | 25.64 |
| 8H | 4H | 16.44 | 17.05 | 17.26 | 17.89 | 18.92 | 22.44 | 23.05 | 23.26 | 23.89 | 24.93 |
| | 6H | 16.69 | 17.20 | 17.55 | 18.08 | 19.12 | 23.08 | 23.59 | 23.94 | 24.48 | 25.51 |
| | 8H | 16.71 | 17.17 | 17.58 | 18.05 | 19.10 | 23.31 | 23.76 | 24.17 | 24.64 | 25.69 |
| | 12H | 16.70 | 17.10 | 17.57 | 17.97 | 19.07 | 23.47 | 23.87 | 24.33 | 24.74 | 25.84 |
| 12H | 4H | 16.59 | 17.15 | 17.44 | 18.01 | 19.05 | 22.41 | 22.96 | 23.25 | 23.82 | 24.86 |
| | 6H | 16.95 | 17.41 | 17.82 | 18.29 | 19.34 | 23.07 | 23.52 | 23.93 | 24.40 | 25.45 |
| | 8H | 17.04 | 17.44 | 17.91 | 18.31 | 19.41 | 23.31 | 23.71 | 24.18 | 24.59 | 25.69 |