

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: P936395

Luminaire Tested: SQ4-FB-025U-075D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

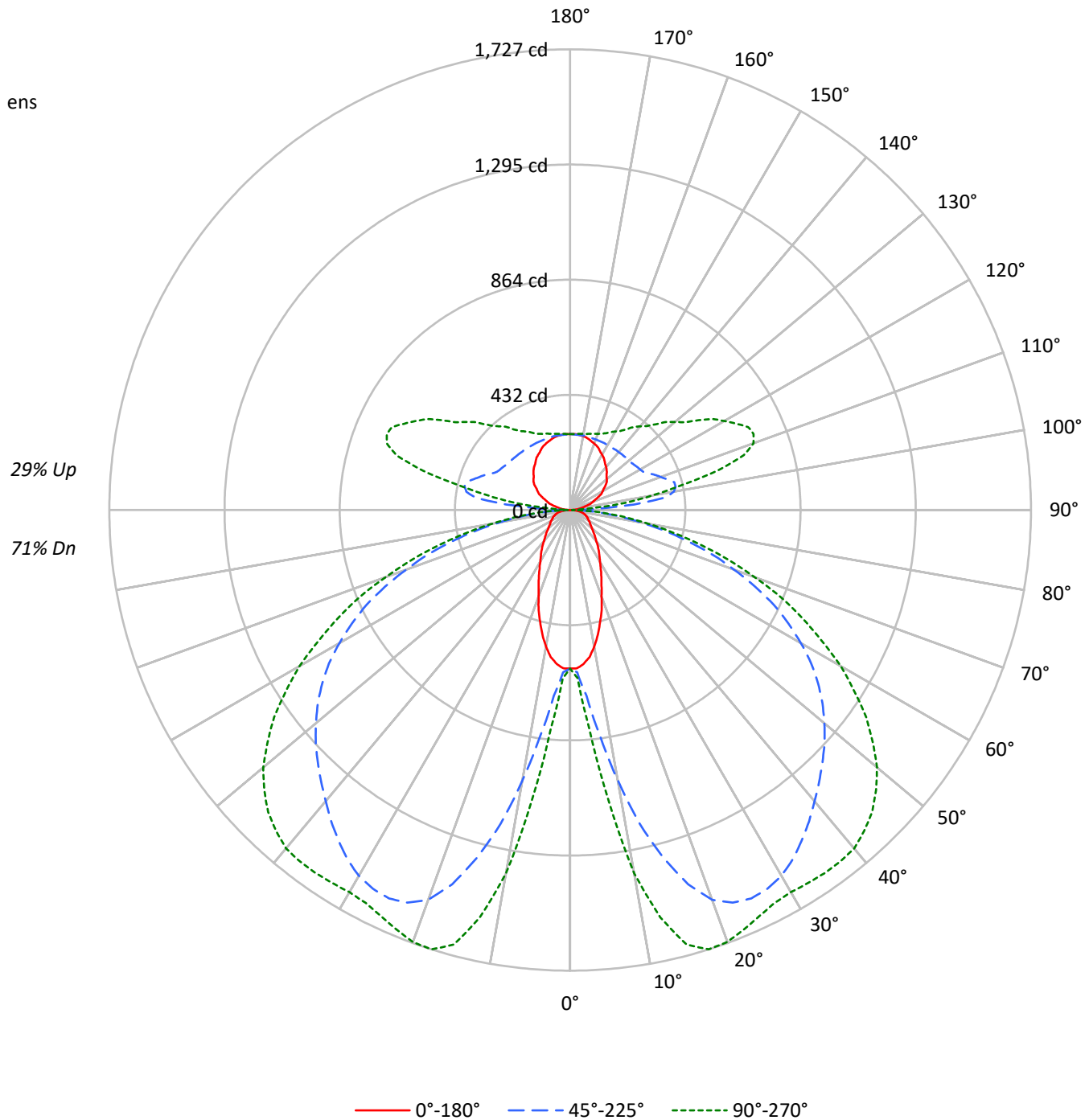
Test Method: LM-79-2019  
Report Number: P936395  
REPORT IS A COMBINATION OF REPORTS P933454 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-025U-075D-B2750-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6444.3 lumens  
Efficiency: N/A  
Efficacy: 107.4 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 (A<sub>in</sub>): 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: P936395  
CATALOG NUMBER: SQ4-FB-025U-075D-B2750-1D-UNV-STD-W-8-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P936395

CATALOG NUMBER: SQ4-FB-025U-075D-B2750-1D-UNV-STD-W-8-4000K

**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°  | 2756 | 2756 | 2756 |
| 5°  | 2692 | 3186 | 3704 |
| 10° | 2442 | 4643 | 6142 |
| 15° | 2076 | 6067 | 7416 |
| 20° | 1690 | 7030 | 7558 |
| 25° | 1410 | 7357 | 7405 |
| 30° | 1189 | 7403 | 7391 |
| 35° | 1051 | 7280 | 7582 |
| 40° | 916  | 7121 | 7779 |
| 45° | 829  | 7004 | 7810 |
| 50° | 761  | 6898 | 7681 |
| 55° | 729  | 6744 | 7340 |
| 60° | 746  | 6447 | 6802 |
| 65° | 776  | 5997 | 6063 |
| 70° | 826  | 5230 | 5123 |
| 75° | 916  | 4264 | 3998 |
| 80° | 1000 | 2957 | 2694 |
| 85° | 890  | 1569 | 1379 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7810 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 76.8   | 1.2       |
| 10°-20°   | 340.6  | 5.3       |
| 20°-30°   | 595.7  | 9.2       |
| 30°-40°   | 766.8  | 11.9      |
| 40°-50°   | 856.5  | 13.3      |
| 50°-60°   | 820.4  | 12.7      |
| 60°-70°   | 650.1  | 10.1      |
| 70°-80°   | 382.3  | 5.9       |
| 80°-90°   | 107.3  | 1.7       |
| 90°-100°  | 138.9  | 2.2       |
| 100°-110° | 365.3  | 5.7       |
| 110°-120° | 378.8  | 5.9       |
| 120°-130° | 303.8  | 4.7       |
| 130°-140° | 238.4  | 3.7       |
| 140°-150° | 183.0  | 2.8       |
| 150°-160° | 131.8  | 2.0       |
| 160°-170° | 80.6   | 1.3       |
| 170°-180° | 27.2   | 0.4       |
| 0°-30°    | 1013.1 | 15.7      |
| 0°-40°    | 1780.0 | 27.6      |
| 0°-60°    | 3456.9 | 53.6      |
| 0°-90°    | 4596.5 | 71.3      |
| 90°-120°  | 883.0  | 13.7      |
| 90°-150°  | 1608.2 | 25.0      |
| 90°-180°  | 1848.0 | 28.7      |
| 0°-180°   | 6444.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|-----|-------|------|-------|------|------|
| 0°   | 594 | 594   | 594  | 594   | 594  |      |
| 5°   | 579 | 621   | 699  | 791   | 819  | 53   |
| 15°  | 434 | 800   | 1349 | 1635  | 1687 | 121  |
| 25°  | 277 | 907   | 1606 | 1677  | 1679 | 128  |
| 35°  | 187 | 867   | 1513 | 1599  | 1662 | 117  |
| 45°  | 128 | 691   | 1337 | 1532  | 1601 | 99   |
| 55°  | 92  | 439   | 1135 | 1318  | 1354 | 84   |
| 65°  | 73  | 233   | 842  | 947   | 961  | 72   |
| 75°  | 54  | 143   | 462  | 508   | 510  | 56   |
| 85°  | 19  | 44    | 115  | 126   | 128  | 20   |
| 90°  | 2   | 5     | 14   | 7     | 7    | 3    |
| 95°  | 18  | 72    | 239  | 123   | 84   | 20   |
| 105° | 66  | 100   | 404  | 613   | 572  | 70   |
| 115° | 117 | 142   | 324  | 645   | 736  | 115  |
| 125° | 163 | 182   | 294  | 497   | 587  | 144  |
| 135° | 194 | 213   | 285  | 401   | 455  | 150  |
| 145° | 225 | 239   | 281  | 342   | 369  | 141  |
| 155° | 254 | 261   | 281  | 309   | 318  | 117  |
| 165° | 274 | 278   | 281  | 292   | 296  | 77   |
| 175° | 285 | 285   | 283  | 287   | 287  | 27   |
| 180° | 285 | 285   | 285  | 285   | 285  |      |



TEST NUMBER: P936395

CATALOG NUMBER: SQ4-FB-025U-075D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 594.0 | 594.0 | 594.0 | 594.0 | 594.0  | 594.0  | 594.0  | 594.0  | 594.0  | 594.0  | 594.0  |
| 2.5°   | 594.0 | 594.0 | 597.8 | 599.7 | 603.6  | 605.5  | 609.3  | 613.1  | 624.6  | 626.5  | 630.3  |
| 5°     | 578.7 | 586.4 | 611.2 | 620.8 | 647.5  | 683.8  | 699.1  | 723.9  | 775.5  | 790.7  | 800.3  |
| 7.5°   | 555.8 | 573.0 | 634.1 | 649.4 | 716.2  | 811.8  | 851.9  | 905.3  | 987.5  | 1027.6 | 1060.0 |
| 10°    | 519.5 | 555.8 | 664.7 | 701.0 | 809.8  | 955.0  | 1029.5 | 1104.1 | 1228.2 | 1283.6 | 1304.6 |
| 12.5°  | 479.4 | 538.6 | 697.2 | 746.8 | 903.4  | 1115.5 | 1205.3 | 1287.4 | 1428.8 | 1503.3 | 1514.7 |
| 15°    | 433.6 | 513.8 | 727.7 | 800.3 | 1002.8 | 1249.2 | 1348.6 | 1449.8 | 1581.6 | 1635.1 | 1648.4 |
| 17.5°  | 393.5 | 494.7 | 756.4 | 832.8 | 1079.1 | 1369.6 | 1470.8 | 1554.8 | 1661.8 | 1698.1 | 1707.6 |
| 20°    | 343.8 | 464.1 | 775.5 | 874.8 | 1159.5 | 1457.4 | 1554.8 | 1619.8 | 1692.4 | 1715.3 | 1719.1 |
| 22.5°  | 307.5 | 431.7 | 786.9 | 890.1 | 1212.9 | 1510.9 | 1593.0 | 1644.6 | 1694.3 | 1701.9 | 1703.8 |
| 25°    | 277.0 | 395.4 | 785.0 | 907.2 | 1258.8 | 1543.4 | 1606.4 | 1644.6 | 1673.3 | 1677.1 | 1677.1 |
| 27.5°  | 248.3 | 355.3 | 777.4 | 911.1 | 1293.2 | 1551.0 | 1600.7 | 1627.4 | 1640.8 | 1648.4 | 1648.4 |
| 30°    | 223.5 | 317.1 | 758.3 | 903.4 | 1308.4 | 1543.4 | 1583.5 | 1596.9 | 1610.2 | 1621.7 | 1627.4 |
| 32.5°  | 204.4 | 280.8 | 729.6 | 888.2 | 1310.4 | 1524.3 | 1552.9 | 1560.6 | 1579.7 | 1606.4 | 1616.0 |
| 35°    | 187.2 | 244.5 | 697.2 | 867.1 | 1298.9 | 1493.7 | 1512.8 | 1520.5 | 1558.7 | 1598.8 | 1612.1 |
| 37.5°  | 170.0 | 217.7 | 655.1 | 830.8 | 1281.7 | 1457.4 | 1470.8 | 1484.2 | 1543.4 | 1591.1 | 1606.4 |
| 40°    | 152.8 | 194.8 | 605.5 | 790.7 | 1255.0 | 1413.5 | 1425.0 | 1446.0 | 1524.3 | 1579.7 | 1594.9 |
| 42.5°  | 139.4 | 175.7 | 552.0 | 748.7 | 1220.6 | 1363.8 | 1381.0 | 1411.6 | 1501.4 | 1560.6 | 1577.8 |
| 45°    | 128.0 | 156.6 | 494.7 | 691.4 | 1176.7 | 1312.3 | 1337.1 | 1379.1 | 1474.6 | 1531.9 | 1547.2 |
| 47.5°  | 116.5 | 143.2 | 435.5 | 632.2 | 1128.9 | 1260.7 | 1293.2 | 1340.9 | 1438.3 | 1493.7 | 1507.1 |
| 50°    | 107.0 | 129.9 | 376.3 | 569.2 | 1077.2 | 1205.3 | 1243.5 | 1293.2 | 1392.5 | 1444.1 | 1461.2 |
| 52.5°  | 99.3  | 118.4 | 320.9 | 506.2 | 1018.0 | 1148.0 | 1191.9 | 1243.5 | 1337.1 | 1386.8 | 1398.2 |
| 55°    | 91.7  | 108.9 | 273.1 | 439.3 | 956.9  | 1086.9 | 1134.6 | 1184.3 | 1276.0 | 1318.0 | 1325.6 |
| 57.5°  | 87.9  | 101.2 | 233.0 | 376.3 | 892.0  | 1018.0 | 1071.5 | 1117.4 | 1203.4 | 1235.9 | 1243.5 |
| 60°    | 82.1  | 95.5  | 202.5 | 322.8 | 821.3  | 953.1  | 998.9  | 1044.8 | 1117.4 | 1144.2 | 1149.9 |
| 62.5°  | 76.4  | 91.7  | 179.5 | 271.2 | 748.7  | 876.7  | 922.5  | 964.6  | 1025.7 | 1044.8 | 1052.4 |
| 65°    | 72.6  | 87.9  | 162.4 | 233.0 | 674.2  | 796.5  | 842.3  | 878.6  | 928.3  | 947.4  | 951.2  |
| 67.5°  | 68.8  | 84.0  | 149.0 | 200.5 | 599.7  | 716.2  | 750.6  | 785.0  | 823.2  | 842.3  | 844.2  |
| 70°    | 63.0  | 80.2  | 137.5 | 177.6 | 523.3  | 624.6  | 653.2  | 689.5  | 720.1  | 729.6  | 735.4  |
| 72.5°  | 59.2  | 74.5  | 129.9 | 160.4 | 445.0  | 536.7  | 563.4  | 584.5  | 611.2  | 620.8  | 620.8  |
| 75°    | 53.5  | 66.8  | 122.2 | 143.2 | 364.8  | 439.3  | 462.2  | 483.2  | 504.2  | 508.1  | 502.3  |
| 77.5°  | 47.8  | 59.2  | 105.0 | 120.3 | 284.6  | 347.6  | 366.7  | 378.2  | 395.4  | 399.2  | 401.1  |
| 80°    | 40.1  | 51.6  | 82.1  | 93.6  | 206.3  | 255.9  | 269.3  | 278.9  | 294.1  | 294.1  | 298.0  |
| 82.5°  | 30.6  | 40.1  | 59.2  | 66.8  | 139.4  | 175.7  | 187.2  | 192.9  | 202.5  | 202.5  | 202.5  |
| 85°    | 19.1  | 24.8  | 38.2  | 43.9  | 84.0   | 107.0  | 114.6  | 116.5  | 124.2  | 126.1  | 126.1  |
| 87.5°  | 9.5   | 13.4  | 24.8  | 26.7  | 43.9   | 55.4   | 55.4   | 59.2   | 59.2   | 57.3   | 55.4   |
| 90°    | 1.9   | 3.4   | 5.0   | 5.3   | 8.4    | 12.5   | 14.5   | 12.9   | 9.6    | 7.3    | 7.3    |
| 92.5°  | 7.6   | 20.6  | 33.7  | 37.0  | 52.0   | 71.9   | 81.8   | 71.7   | 51.6   | 36.4   | 35.0   |
| 95°    | 18.3  | 42.1  | 66.0  | 71.9  | 127.7  | 202.1  | 239.3  | 213.5  | 162.1  | 123.4  | 119.0  |
| 97.5°  | 31.8  | 52.8  | 73.7  | 79.0  | 172.0  | 296.0  | 358.1  | 341.9  | 309.3  | 284.9  | 276.6  |
| 100°   | 42.1  | 61.1  | 80.1  | 84.9  | 188.1  | 325.8  | 394.6  | 395.8  | 398.2  | 400.0  | 390.1  |
| 102.5° | 50.9  | 68.7  | 86.4  | 90.8  | 195.6  | 335.2  | 405.0  | 425.7  | 467.2  | 498.3  | 489.8  |
| 105°   | 65.8  | 80.9  | 96.0  | 99.7  | 201.1  | 336.3  | 403.9  | 450.4  | 543.4  | 613.1  | 608.5  |
| 107.5° | 81.1  | 95.1  | 109.2 | 112.7 | 202.1  | 321.3  | 380.9  | 445.7  | 575.5  | 672.8  | 673.9  |
| 110°   | 91.5  | 104.1 | 116.8 | 119.9 | 200.5  | 308.0  | 361.8  | 434.2  | 579.3  | 688.1  | 692.9  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 101.6 | 113.6 | 125.7 | 128.7 | 200.6 | 296.4 | 344.4 | 418.6 | 567.0 | 678.3 | 685.7 |
| 115°   | 116.9 | 128.0 | 139.1 | 141.9 | 202.5 | 283.2 | 323.5 | 395.0 | 538.0 | 645.3 | 655.4 |
| 117.5° | 132.0 | 142.1 | 152.2 | 154.8 | 206.3 | 274.8 | 309.1 | 373.7 | 502.7 | 599.5 | 610.8 |
| 120°   | 140.8 | 150.3 | 159.9 | 162.3 | 209.3 | 272.1 | 303.4 | 362.3 | 480.3 | 568.7 | 579.6 |
| 122.5° | 149.4 | 159.0 | 168.7 | 171.0 | 213.7 | 270.6 | 299.0 | 352.1 | 458.3 | 538.0 | 548.7 |
| 125°   | 162.6 | 171.4 | 180.1 | 182.3 | 219.6 | 269.4 | 294.2 | 339.3 | 429.6 | 497.2 | 507.1 |
| 127.5° | 173.3 | 182.1 | 191.0 | 193.2 | 225.6 | 268.6 | 290.2 | 329.0 | 406.4 | 464.5 | 472.9 |
| 130°   | 179.1 | 188.6 | 198.1 | 200.5 | 229.9 | 269.1 | 288.7 | 323.2 | 392.1 | 443.8 | 451.5 |
| 132.5° | 185.0 | 194.5 | 204.0 | 206.4 | 233.4 | 269.4 | 287.4 | 318.2 | 379.9 | 426.2 | 433.2 |
| 135°   | 193.8 | 202.5 | 211.2 | 213.3 | 237.2 | 269.1 | 285.1 | 310.9 | 362.6 | 401.4 | 407.3 |
| 137.5° | 202.7 | 211.3 | 219.9 | 222.1 | 243.0 | 270.7 | 284.7 | 306.6 | 350.2 | 383.0 | 387.8 |
| 140°   | 210.2 | 218.1 | 226.0 | 228.1 | 246.5 | 271.0 | 283.3 | 302.3 | 340.0 | 368.2 | 372.8 |
| 142.5° | 216.0 | 223.3 | 230.6 | 232.4 | 249.4 | 272.1 | 283.3 | 300.0 | 333.1 | 357.9 | 361.8 |
| 145°   | 224.8 | 231.2 | 237.5 | 239.1 | 253.3 | 272.1 | 281.4 | 295.0 | 322.1 | 342.5 | 345.4 |
| 147.5° | 233.6 | 239.8 | 246.0 | 247.5 | 258.8 | 273.9 | 281.4 | 292.1 | 313.4 | 329.4 | 331.9 |
| 150°   | 239.3 | 245.0 | 250.5 | 251.9 | 261.8 | 274.8 | 281.4 | 290.4 | 308.5 | 321.9 | 323.9 |
| 152.5° | 245.2 | 249.4 | 253.7 | 254.8 | 263.7 | 275.5 | 281.4 | 289.1 | 304.5 | 316.0 | 317.5 |
| 155°   | 254.0 | 257.2 | 260.3 | 261.1 | 267.9 | 277.0 | 281.4 | 287.6 | 299.8 | 308.9 | 309.9 |
| 157.5° | 260.5 | 263.6 | 266.6 | 267.4 | 272.1 | 278.3 | 281.4 | 286.2 | 295.7 | 302.8 | 303.5 |
| 160°   | 264.9 | 267.3 | 269.7 | 270.3 | 274.0 | 279.0 | 281.4 | 285.5 | 293.7 | 299.8 | 300.2 |
| 162.5° | 269.3 | 271.1 | 272.8 | 273.3 | 276.0 | 279.6 | 281.4 | 284.9 | 291.8 | 296.9 | 297.3 |
| 165°   | 274.2 | 275.8 | 277.4 | 277.8 | 279.1 | 280.7 | 281.4 | 283.9 | 288.8 | 292.5 | 292.9 |
| 167.5° | 278.6 | 279.3 | 280.1 | 280.3 | 281.3 | 282.7 | 283.3 | 285.0 | 288.2 | 290.6 | 290.8 |
| 170°   | 281.4 | 282.2 | 283.0 | 283.2 | 283.3 | 283.3 | 283.3 | 285.0 | 288.2 | 290.6 | 290.6 |
| 172.5° | 283.0 | 283.2 | 283.3 | 283.3 | 283.3 | 283.3 | 283.3 | 284.6 | 287.2 | 289.1 | 288.9 |
| 175°   | 285.1 | 285.1 | 285.1 | 285.1 | 284.5 | 283.7 | 283.3 | 284.1 | 285.7 | 287.0 | 287.0 |
| 177.5° | 285.1 | 285.1 | 285.1 | 285.1 | 284.6 | 284.0 | 283.7 | 284.4 | 285.6 | 286.6 | 286.4 |
| 180°   | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 |



TEST NUMBER: P936395

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**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 594.0  | 594.0  |
| 2.5°   | 634.1  | 630.3  |
| 5°     | 815.6  | 819.4  |
| 7.5°   | 1098.3 | 1096.4 |
| 10°    | 1365.7 | 1382.9 |
| 12.5°  | 1560.6 | 1564.4 |
| 15°    | 1679.0 | 1686.6 |
| 17.5°  | 1724.8 | 1726.7 |
| 20°    | 1726.7 | 1722.9 |
| 22.5°  | 1705.7 | 1701.9 |
| 25°    | 1680.9 | 1679.0 |
| 27.5°  | 1658.0 | 1659.9 |
| 30°    | 1648.4 | 1654.2 |
| 32.5°  | 1648.4 | 1658.0 |
| 35°    | 1652.2 | 1661.8 |
| 37.5°  | 1650.3 | 1661.8 |
| 40°    | 1642.7 | 1656.1 |
| 42.5°  | 1621.7 | 1631.2 |
| 45°    | 1589.2 | 1600.7 |
| 47.5°  | 1547.2 | 1554.8 |
| 50°    | 1493.7 | 1501.4 |
| 52.5°  | 1426.9 | 1428.8 |
| 55°    | 1346.6 | 1354.3 |
| 57.5°  | 1260.7 | 1262.6 |
| 60°    | 1165.2 | 1170.9 |
| 62.5°  | 1063.9 | 1063.9 |
| 65°    | 956.9  | 960.7  |
| 67.5°  | 846.1  | 855.7  |
| 70°    | 733.4  | 735.4  |
| 72.5°  | 622.7  | 622.7  |
| 75°    | 508.1  | 510.0  |
| 77.5°  | 399.2  | 399.2  |
| 80°    | 296.0  | 298.0  |
| 82.5°  | 204.4  | 208.2  |
| 85°    | 128.0  | 128.0  |
| 87.5°  | 59.2   | 53.5   |
| 90°    | 7.3    | 7.3    |
| 92.5°  | 29.1   | 23.3   |
| 95°    | 101.5  | 83.9   |
| 97.5°  | 243.1  | 209.8  |
| 100°   | 350.4  | 310.7  |
| 102.5° | 455.8  | 421.8  |
| 105°   | 590.3  | 571.9  |
| 107.5° | 678.3  | 682.7  |
| 110°   | 711.9  | 731.0  |





TEST NUMBER: P936395

CATALOG NUMBER: SQ4-FB-025U-075D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 112.5° | 714.9 | 744.1 |
| 115°   | 696.0 | 736.5 |
| 117.5° | 655.8 | 700.8 |
| 120°   | 623.3 | 667.1 |
| 122.5° | 591.8 | 634.9 |
| 125°   | 546.8 | 586.6 |
| 127.5° | 506.3 | 539.9 |
| 130°   | 482.5 | 513.4 |
| 132.5° | 460.9 | 488.6 |
| 135°   | 431.2 | 455.1 |
| 137.5° | 407.4 | 427.0 |
| 140°   | 391.1 | 409.4 |
| 142.5° | 377.6 | 393.3 |
| 145°   | 357.4 | 369.2 |
| 147.5° | 341.7 | 351.6 |
| 150°   | 332.0 | 340.0 |
| 152.5° | 323.6 | 329.6 |
| 155°   | 313.9 | 317.9 |
| 157.5° | 306.4 | 309.1 |
| 160°   | 301.8 | 303.4 |
| 162.5° | 298.8 | 300.3 |
| 165°   | 294.5 | 296.1 |
| 167.5° | 291.5 | 292.1 |
| 170°   | 290.6 | 290.6 |
| 172.5° | 288.3 | 287.7 |
| 175°   | 287.0 | 287.0 |
| 177.5° | 285.7 | 285.1 |
| 180°   | 285.1 | 285.1 |



TEST NUMBER: P936395  
 CATALOG NUMBER: SQ4-FB-025U-075D-B2750-1D-UNV-STD-W-8-4000K

**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 | 6.27             | 7.42  | 7.01  | 8.19  | 9.12  | 19.45          | 20.60 | 20.19 | 21.37 | 22.30 |
|                 | 3H   | 6.99             | 8.03  | 7.75  | 8.81  | 9.77  | 21.31          | 22.35 | 22.06 | 23.13 | 24.08 |
|                 | 4H   | 7.30             | 8.29  | 8.08  | 9.08  | 10.05 | 21.97          | 22.95 | 22.74 | 23.74 | 24.71 |
|                 | 6H   | 7.57             | 8.48  | 8.36  | 9.28  | 10.26 | 22.41          | 23.32 | 23.20 | 24.12 | 25.10 |
|                 | 8H   | 7.65             | 8.52  | 8.44  | 9.33  | 10.32 | 22.54          | 23.41 | 23.34 | 24.23 | 25.21 |
|                 | 12H  | 7.68             | 8.50  | 8.48  | 9.32  | 10.33 | 22.62          | 23.45 | 23.42 | 24.26 | 25.27 |
| 4H              | 2H   | 13.52            | 14.50 | 14.29 | 15.29 | 16.26 | 19.76          | 20.74 | 20.53 | 21.53 | 22.50 |
|                 | 3H   | 15.11            | 15.94 | 15.90 | 16.76 | 17.75 | 21.83          | 22.65 | 22.62 | 23.48 | 24.46 |
|                 | 4H   | 15.22            | 15.97 | 16.02 | 16.79 | 17.81 | 22.61          | 23.36 | 23.41 | 24.18 | 25.20 |
|                 | 6H   | 15.25            | 15.90 | 16.07 | 16.75 | 17.77 | 23.16          | 23.82 | 23.98 | 24.66 | 25.68 |
|                 | 8H   | 15.23            | 15.84 | 16.06 | 16.69 | 17.72 | 23.33          | 23.95 | 24.16 | 24.79 | 25.82 |
|                 | 12H  | 15.20            | 15.76 | 16.05 | 16.62 | 17.66 | 23.44          | 23.99 | 24.29 | 24.86 | 25.90 |
| 8H              | 4H   | 16.69            | 17.30 | 17.51 | 18.14 | 19.18 | 22.69          | 23.30 | 23.52 | 24.15 | 25.18 |
|                 | 6H   | 16.94            | 17.45 | 17.80 | 18.34 | 19.37 | 23.34          | 23.85 | 24.19 | 24.73 | 25.76 |
|                 | 8H   | 16.97            | 17.42 | 17.83 | 18.30 | 19.35 | 23.56          | 24.01 | 24.42 | 24.89 | 25.94 |
|                 | 12H  | 16.95            | 17.35 | 17.82 | 18.22 | 19.32 | 23.72          | 24.12 | 24.59 | 24.99 | 26.09 |
| 12H             | 4H   | 16.85            | 17.40 | 17.69 | 18.26 | 19.30 | 22.66          | 23.21 | 23.51 | 24.08 | 25.11 |
|                 | 6H   | 17.21            | 17.66 | 18.07 | 18.54 | 19.59 | 23.32          | 23.78 | 24.19 | 24.66 | 25.70 |
|                 | 8H   | 17.29            | 17.69 | 18.16 | 18.56 | 19.66 | 23.57          | 23.97 | 24.44 | 24.84 | 25.94 |