

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: P936286

Luminaire Tested: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936286  
REPORT IS A COMBINATION OF REPORTS P933437 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

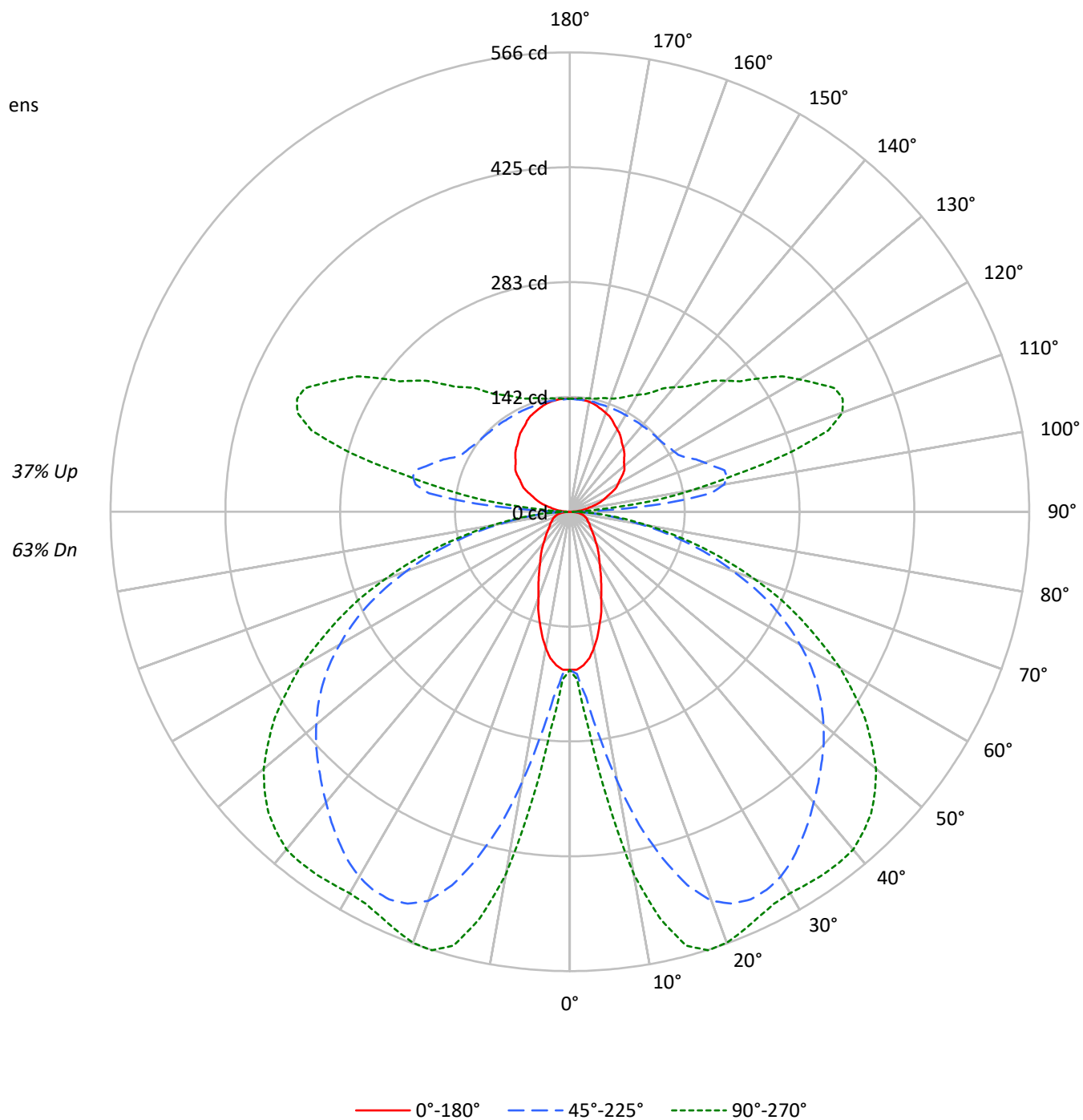
Lumens per Lamp: N/A  
Luminaire Lumens: 2411.6 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 22  
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: P936286

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P936286

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 68 | 68 | 68 |
| 1   | 100 | 95  | 91  | 87  | 93  | 89  | 86  | 82  | 78 | 75 | 73 | 68 | 66 | 64 | 59 | 57 | 56 |
| 2   | 90  | 82  | 76  | 70  | 84  | 77  | 71  | 66  | 68 | 63 | 59 | 59 | 55 | 52 | 51 | 48 | 46 |
| 3   | 82  | 72  | 64  | 57  | 76  | 67  | 60  | 55  | 59 | 53 | 49 | 51 | 47 | 43 | 44 | 41 | 38 |
| 4   | 75  | 63  | 54  | 48  | 69  | 59  | 52  | 46  | 52 | 46 | 41 | 45 | 40 | 37 | 39 | 35 | 32 |
| 5   | 68  | 56  | 47  | 41  | 64  | 52  | 45  | 39  | 46 | 40 | 35 | 40 | 35 | 31 | 35 | 31 | 28 |
| 6   | 63  | 50  | 41  | 35  | 58  | 47  | 39  | 33  | 41 | 35 | 30 | 36 | 31 | 27 | 31 | 27 | 24 |
| 7   | 58  | 45  | 36  | 30  | 54  | 42  | 34  | 29  | 37 | 31 | 26 | 33 | 27 | 23 | 28 | 24 | 21 |
| 8   | 53  | 40  | 32  | 26  | 50  | 38  | 31  | 25  | 34 | 27 | 23 | 30 | 24 | 21 | 26 | 22 | 18 |
| 9   | 50  | 37  | 29  | 23  | 46  | 35  | 27  | 22  | 31 | 25 | 20 | 27 | 22 | 18 | 24 | 19 | 16 |
| 10  | 46  | 34  | 26  | 21  | 43  | 32  | 25  | 20  | 28 | 22 | 18 | 25 | 20 | 16 | 22 | 18 | 15 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1808 | 1808 | 1808 |
| 5°  | 1765 | 2088 | 2430 |
| 10° | 1599 | 3042 | 4029 |
| 15° | 1357 | 3971 | 4866 |
| 20° | 1104 | 4599 | 4959 |
| 25° | 920  | 4809 | 4858 |
| 30° | 774  | 4835 | 4849 |
| 35° | 684  | 4751 | 4974 |
| 40° | 596  | 4644 | 5103 |
| 45° | 536  | 4563 | 5124 |
| 50° | 492  | 4489 | 5039 |
| 55° | 470  | 4384 | 4815 |
| 60° | 479  | 4186 | 4463 |
| 65° | 496  | 3887 | 3977 |
| 70° | 523  | 3383 | 3362 |
| 75° | 577  | 2751 | 2623 |
| 80° | 618  | 1902 | 1768 |
| 85° | 522  | 1004 | 903  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5124 cd/sqm

TEST NUMBER: P936286

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.2   | 1.0       |
| 10°-20°   | 111.7  | 4.6       |
| 20°-30°   | 195.4  | 8.1       |
| 30°-40°   | 251.5  | 10.4      |
| 40°-50°   | 281.0  | 11.7      |
| 50°-60°   | 269.1  | 11.2      |
| 60°-70°   | 213.3  | 8.8       |
| 70°-80°   | 125.4  | 5.2       |
| 80°-90°   | 35.4   | 1.5       |
| 90°-100°  | 67.9   | 2.8       |
| 100°-110° | 178.6  | 7.4       |
| 110°-120° | 185.2  | 7.7       |
| 120°-130° | 148.6  | 6.2       |
| 130°-140° | 116.6  | 4.8       |
| 140°-150° | 89.5   | 3.7       |
| 150°-160° | 64.4   | 2.7       |
| 160°-170° | 39.4   | 1.6       |
| 170°-180° | 13.3   | 0.6       |
| 0°-30°    | 332.3  | 13.8      |
| 0°-40°    | 583.9  | 24.2      |
| 0°-60°    | 1134.0 | 47.0      |
| 0°-90°    | 1508.0 | 62.5      |
| 90°-120°  | 431.8  | 17.9      |
| 90°-150°  | 786.4  | 32.6      |
| 90°-180°  | 904.0  | 37.5      |
| 0°-180°   | 2411.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 195 | 195   | 195 | 195   | 195 |      |
| 5°   | 190 | 204   | 229 | 259   | 269 | 18   |
| 15°  | 142 | 262   | 442 | 536   | 553 | 40   |
| 25°  | 91  | 298   | 527 | 550   | 551 | 42   |
| 35°  | 61  | 284   | 496 | 524   | 545 | 38   |
| 45°  | 42  | 227   | 439 | 502   | 525 | 32   |
| 55°  | 30  | 144   | 372 | 432   | 444 | 27   |
| 65°  | 24  | 76    | 276 | 311   | 315 | 24   |
| 75°  | 18  | 47    | 152 | 167   | 167 | 18   |
| 85°  | 6   | 14    | 38  | 41    | 42  | 7    |
| 90°  | 1   | 3     | 7   | 4     | 4   | 1    |
| 95°  | 9   | 35    | 117 | 60    | 41  | 10   |
| 105° | 32  | 49    | 197 | 300   | 280 | 34   |
| 115° | 57  | 69    | 158 | 316   | 360 | 56   |
| 125° | 80  | 89    | 144 | 243   | 287 | 71   |
| 135° | 95  | 104   | 139 | 196   | 223 | 73   |
| 145° | 110 | 117   | 138 | 168   | 180 | 69   |
| 155° | 124 | 128   | 138 | 151   | 156 | 57   |
| 165° | 134 | 136   | 138 | 143   | 145 | 38   |
| 175° | 139 | 139   | 138 | 140   | 140 | 13   |
| 180° | 139 | 139   | 139 | 139   | 139 |      |

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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 194.8 | 194.8 | 194.8 | 194.8 | 194.8 | 194.8 | 194.8 | 194.8 | 194.8 | 194.8 | 194.8 |
| 2.5°   | 194.8 | 194.8 | 196.1 | 196.7 | 198.0 | 198.7 | 199.9 | 201.1 | 204.9 | 205.5 | 206.8 |
| 5°     | 189.9 | 192.4 | 200.5 | 203.6 | 212.4 | 224.3 | 229.3 | 237.5 | 254.4 | 259.4 | 262.5 |
| 7.5°   | 182.3 | 188.0 | 208.0 | 213.0 | 235.0 | 266.3 | 279.5 | 297.0 | 323.9 | 337.1 | 347.7 |
| 10°    | 170.5 | 182.3 | 218.1 | 230.0 | 265.6 | 313.3 | 337.7 | 362.2 | 402.9 | 421.0 | 428.0 |
| 12.5°  | 157.3 | 176.7 | 228.7 | 245.0 | 296.4 | 365.9 | 395.4 | 422.4 | 468.7 | 493.2 | 496.9 |
| 15°    | 142.2 | 168.6 | 238.7 | 262.5 | 329.0 | 409.7 | 442.3 | 475.6 | 518.8 | 536.3 | 540.7 |
| 17.5°  | 129.1 | 162.3 | 248.2 | 273.2 | 354.0 | 449.3 | 482.5 | 510.1 | 545.1 | 557.0 | 560.1 |
| 20°    | 112.8 | 152.2 | 254.4 | 287.0 | 380.3 | 478.1 | 510.1 | 531.4 | 555.2 | 562.6 | 563.9 |
| 22.5°  | 100.9 | 141.6 | 258.2 | 292.0 | 397.9 | 495.6 | 522.6 | 539.5 | 555.7 | 558.3 | 558.9 |
| 25°    | 90.9  | 129.7 | 257.5 | 297.7 | 412.9 | 506.2 | 527.0 | 539.5 | 548.9 | 550.1 | 550.1 |
| 27.5°  | 81.4  | 116.6 | 255.0 | 298.9 | 424.2 | 508.7 | 525.1 | 533.9 | 538.3 | 540.7 | 540.7 |
| 30°    | 73.3  | 104.0 | 248.7 | 296.4 | 429.2 | 506.2 | 519.4 | 523.8 | 528.2 | 532.0 | 533.9 |
| 32.5°  | 67.1  | 92.1  | 239.4 | 291.3 | 429.8 | 500.0 | 509.4 | 511.9 | 518.2 | 527.0 | 530.0 |
| 35°    | 61.4  | 80.2  | 228.7 | 284.5 | 426.1 | 490.0 | 496.2 | 498.8 | 511.3 | 524.4 | 528.8 |
| 37.5°  | 55.8  | 71.5  | 214.9 | 272.5 | 420.4 | 478.1 | 482.5 | 486.9 | 506.2 | 521.9 | 527.0 |
| 40°    | 50.2  | 63.9  | 198.7 | 259.4 | 411.7 | 463.6 | 467.5 | 474.3 | 500.0 | 518.2 | 523.2 |
| 42.5°  | 45.8  | 57.6  | 181.1 | 245.6 | 400.4 | 447.4 | 453.0 | 463.1 | 492.5 | 511.9 | 517.5 |
| 45°    | 41.9  | 51.4  | 162.3 | 226.8 | 385.9 | 430.5 | 438.6 | 452.4 | 483.7 | 502.5 | 507.5 |
| 47.5°  | 38.2  | 47.0  | 142.9 | 207.4 | 370.3 | 413.6 | 424.2 | 439.8 | 471.9 | 490.0 | 494.4 |
| 50°    | 35.1  | 42.6  | 123.5 | 186.7 | 353.4 | 395.4 | 407.9 | 424.2 | 456.8 | 473.7 | 479.3 |
| 52.5°  | 32.6  | 38.9  | 105.3 | 166.1 | 334.0 | 376.6 | 391.0 | 407.9 | 438.6 | 454.9 | 458.7 |
| 55°    | 30.1  | 35.7  | 89.6  | 144.1 | 313.9 | 356.5 | 372.2 | 388.5 | 418.5 | 432.3 | 434.9 |
| 57.5°  | 28.9  | 33.3  | 76.4  | 123.5 | 292.6 | 334.0 | 351.5 | 366.5 | 394.7 | 405.4 | 407.9 |
| 60°    | 26.9  | 31.3  | 66.4  | 105.9 | 269.5 | 312.7 | 327.7 | 342.8 | 366.5 | 375.3 | 377.2 |
| 62.5°  | 25.0  | 30.1  | 58.9  | 89.0  | 245.6 | 287.6 | 302.6 | 316.4 | 336.4 | 342.8 | 345.2 |
| 65°    | 23.8  | 28.9  | 53.2  | 76.4  | 221.2 | 261.2 | 276.3 | 288.2 | 304.5 | 310.7 | 312.0 |
| 67.5°  | 22.6  | 27.6  | 48.8  | 65.8  | 196.7 | 235.0 | 246.2 | 257.5 | 270.0 | 276.3 | 276.9 |
| 70°    | 20.6  | 26.3  | 45.1  | 58.3  | 171.7 | 204.9 | 214.3 | 226.2 | 236.2 | 239.4 | 241.3 |
| 72.5°  | 19.4  | 24.5  | 42.6  | 52.7  | 146.0 | 176.1 | 184.8 | 191.8 | 200.5 | 203.6 | 203.6 |
| 75°    | 17.6  | 21.9  | 40.1  | 47.0  | 119.6 | 144.1 | 151.6 | 158.5 | 165.4 | 166.6 | 164.8 |
| 77.5°  | 15.7  | 19.4  | 34.5  | 39.5  | 93.4  | 114.0 | 120.3 | 124.0 | 129.7 | 130.9 | 131.6 |
| 80°    | 13.2  | 16.9  | 26.9  | 30.7  | 67.7  | 84.0  | 88.4  | 91.4  | 96.5  | 96.5  | 97.8  |
| 82.5°  | 10.0  | 13.2  | 19.4  | 21.9  | 45.8  | 57.6  | 61.4  | 63.3  | 66.4  | 66.4  | 66.4  |
| 85°    | 6.3   | 8.1   | 12.5  | 14.4  | 27.6  | 35.1  | 37.6  | 38.2  | 40.7  | 41.4  | 41.4  |
| 87.5°  | 3.2   | 4.4   | 8.1   | 8.8   | 14.4  | 18.2  | 18.2  | 19.4  | 19.4  | 18.8  | 18.2  |
| 90°    | 0.9   | 1.7   | 2.4   | 2.6   | 4.1   | 6.1   | 7.1   | 6.4   | 4.8   | 3.5   | 3.5   |
| 92.5°  | 3.7   | 10.1  | 16.4  | 18.0  | 25.4  | 35.2  | 40.1  | 35.1  | 25.2  | 17.7  | 17.0  |
| 95°    | 9.0   | 20.6  | 32.3  | 35.2  | 62.5  | 98.8  | 117.0 | 104.4 | 79.2  | 60.3  | 58.2  |
| 97.5°  | 15.5  | 25.8  | 36.1  | 38.7  | 84.2  | 144.8 | 175.1 | 167.2 | 151.2 | 139.3 | 135.1 |
| 100°   | 20.5  | 29.9  | 39.2  | 41.6  | 92.0  | 159.3 | 193.0 | 193.5 | 194.7 | 195.6 | 190.7 |
| 102.5° | 24.8  | 33.5  | 42.3  | 44.5  | 95.6  | 163.9 | 198.0 | 208.2 | 228.5 | 243.7 | 239.5 |
| 105°   | 32.2  | 39.6  | 46.9  | 48.8  | 98.4  | 164.4 | 197.4 | 220.2 | 265.7 | 299.8 | 297.6 |
| 107.5° | 39.7  | 46.5  | 53.4  | 55.1  | 98.8  | 157.1 | 186.2 | 218.0 | 281.4 | 329.0 | 329.6 |
| 110°   | 44.7  | 50.9  | 57.1  | 58.7  | 98.1  | 150.7 | 176.9 | 212.4 | 283.3 | 336.5 | 338.9 |

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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 49.7  | 55.6  | 61.5  | 63.0  | 98.1  | 145.0 | 168.4 | 204.7 | 277.3 | 331.8 | 335.3 |
| 115°   | 57.2  | 62.6  | 68.0  | 69.4  | 99.0  | 138.5 | 158.2 | 193.2 | 263.1 | 315.5 | 320.5 |
| 117.5° | 64.5  | 69.5  | 74.4  | 75.7  | 100.9 | 134.4 | 151.2 | 182.8 | 245.8 | 293.2 | 298.7 |
| 120°   | 68.8  | 73.5  | 78.2  | 79.3  | 102.3 | 133.0 | 148.3 | 177.2 | 234.9 | 278.1 | 283.5 |
| 122.5° | 73.0  | 77.7  | 82.4  | 83.6  | 104.4 | 132.3 | 146.2 | 172.1 | 224.1 | 263.0 | 268.2 |
| 125°   | 79.5  | 83.8  | 88.1  | 89.2  | 107.4 | 131.7 | 143.8 | 165.9 | 210.1 | 243.1 | 248.0 |
| 127.5° | 84.7  | 89.1  | 93.4  | 94.5  | 110.3 | 131.3 | 141.9 | 160.8 | 198.8 | 227.1 | 231.3 |
| 130°   | 87.5  | 92.2  | 96.9  | 98.1  | 112.5 | 131.6 | 141.1 | 158.0 | 191.8 | 217.1 | 220.8 |
| 132.5° | 90.5  | 95.2  | 99.8  | 101.0 | 114.1 | 131.7 | 140.5 | 155.6 | 185.8 | 208.5 | 211.8 |
| 135°   | 94.8  | 99.0  | 103.3 | 104.3 | 116.0 | 131.6 | 139.4 | 152.0 | 177.3 | 196.2 | 199.1 |
| 137.5° | 99.2  | 103.4 | 107.6 | 108.6 | 118.8 | 132.3 | 139.2 | 149.8 | 171.2 | 187.3 | 189.7 |
| 140°   | 102.8 | 106.7 | 110.6 | 111.5 | 120.5 | 132.5 | 138.5 | 147.8 | 166.3 | 180.1 | 182.3 |
| 142.5° | 105.6 | 109.2 | 112.7 | 113.7 | 122.0 | 133.0 | 138.5 | 146.6 | 162.9 | 175.0 | 177.0 |
| 145°   | 109.9 | 113.0 | 116.2 | 116.9 | 123.8 | 133.0 | 137.6 | 144.2 | 157.5 | 167.5 | 169.0 |
| 147.5° | 114.2 | 117.2 | 120.3 | 121.0 | 126.6 | 133.9 | 137.6 | 142.8 | 153.3 | 161.1 | 162.3 |
| 150°   | 117.0 | 119.7 | 122.5 | 123.2 | 128.0 | 134.4 | 137.6 | 142.0 | 150.8 | 157.5 | 158.4 |
| 152.5° | 119.9 | 122.0 | 124.0 | 124.6 | 128.9 | 134.7 | 137.6 | 141.3 | 148.9 | 154.6 | 155.3 |
| 155°   | 124.2 | 125.7 | 127.3 | 127.7 | 130.9 | 135.3 | 137.6 | 140.6 | 146.6 | 151.1 | 151.6 |
| 157.5° | 127.4 | 128.9 | 130.4 | 130.8 | 133.0 | 136.1 | 137.6 | 139.9 | 144.6 | 148.0 | 148.4 |
| 160°   | 129.5 | 130.7 | 131.9 | 132.2 | 133.9 | 136.4 | 137.6 | 139.5 | 143.6 | 146.5 | 146.7 |
| 162.5° | 131.7 | 132.5 | 133.5 | 133.7 | 135.0 | 136.7 | 137.6 | 139.3 | 142.6 | 145.1 | 145.3 |
| 165°   | 134.0 | 134.8 | 135.6 | 135.8 | 136.4 | 137.2 | 137.6 | 138.8 | 141.2 | 143.0 | 143.2 |
| 167.5° | 136.2 | 136.6 | 136.9 | 137.0 | 137.5 | 138.1 | 138.5 | 139.3 | 140.8 | 142.1 | 142.2 |
| 170°   | 137.6 | 138.0 | 138.3 | 138.4 | 138.4 | 138.5 | 138.5 | 139.3 | 140.8 | 142.1 | 142.1 |
| 172.5° | 138.3 | 138.4 | 138.5 | 138.5 | 138.5 | 138.5 | 138.5 | 139.2 | 140.4 | 141.3 | 141.2 |
| 175°   | 139.4 | 139.4 | 139.4 | 139.4 | 139.1 | 138.7 | 138.5 | 138.9 | 139.7 | 140.3 | 140.3 |
| 177.5° | 139.4 | 139.4 | 139.4 | 139.4 | 139.2 | 138.9 | 138.7 | 139.0 | 139.6 | 140.1 | 140.0 |
| 180°   | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 |

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CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 0°     | 194.8 | 194.8 |
| 2.5°   | 208.0 | 206.8 |
| 5°     | 267.6 | 268.8 |
| 7.5°   | 360.2 | 359.7 |
| 10°    | 448.0 | 453.6 |
| 12.5°  | 511.9 | 513.1 |
| 15°    | 550.8 | 553.3 |
| 17.5°  | 565.8 | 566.5 |
| 20°    | 566.5 | 565.2 |
| 22.5°  | 559.6 | 558.3 |
| 25°    | 551.4 | 550.8 |
| 27.5°  | 543.9 | 544.5 |
| 30°    | 540.7 | 542.7 |
| 32.5°  | 540.7 | 543.9 |
| 35°    | 542.0 | 545.1 |
| 37.5°  | 541.3 | 545.1 |
| 40°    | 538.8 | 543.2 |
| 42.5°  | 532.0 | 535.1 |
| 45°    | 521.3 | 525.1 |
| 47.5°  | 507.5 | 510.1 |
| 50°    | 490.0 | 492.5 |
| 52.5°  | 468.0 | 468.7 |
| 55°    | 441.8 | 444.2 |
| 57.5°  | 413.6 | 414.1 |
| 60°    | 382.2 | 384.1 |
| 62.5°  | 349.0 | 349.0 |
| 65°    | 313.9 | 315.1 |
| 67.5°  | 277.6 | 280.7 |
| 70°    | 240.6 | 241.3 |
| 72.5°  | 204.3 | 204.3 |
| 75°    | 166.6 | 167.3 |
| 77.5°  | 130.9 | 130.9 |
| 80°    | 97.1  | 97.8  |
| 82.5°  | 67.1  | 68.3  |
| 85°    | 41.9  | 41.9  |
| 87.5°  | 19.4  | 17.6  |
| 90°    | 3.5   | 3.5   |
| 92.5°  | 14.2  | 11.4  |
| 95°    | 49.7  | 41.1  |
| 97.5°  | 118.9 | 102.6 |
| 100°   | 171.4 | 152.0 |
| 102.5° | 222.9 | 206.2 |
| 105°   | 288.7 | 279.7 |
| 107.5° | 331.8 | 333.9 |
| 110°   | 348.1 | 357.4 |



TEST NUMBER: P936286

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 112.5° | 349.6 | 363.9 |
| 115°   | 340.3 | 360.2 |
| 117.5° | 320.6 | 342.7 |
| 120°   | 304.9 | 326.2 |
| 122.5° | 289.4 | 310.5 |
| 125°   | 267.4 | 286.8 |
| 127.5° | 247.6 | 263.9 |
| 130°   | 235.9 | 251.1 |
| 132.5° | 225.4 | 238.9 |
| 135°   | 210.9 | 222.6 |
| 137.5° | 199.2 | 208.8 |
| 140°   | 191.2 | 200.2 |
| 142.5° | 184.7 | 192.3 |
| 145°   | 174.8 | 180.5 |
| 147.5° | 167.1 | 171.9 |
| 150°   | 162.3 | 166.3 |
| 152.5° | 158.2 | 161.2 |
| 155°   | 153.5 | 155.5 |
| 157.5° | 149.8 | 151.2 |
| 160°   | 147.6 | 148.3 |
| 162.5° | 146.1 | 146.8 |
| 165°   | 144.0 | 144.8 |
| 167.5° | 142.4 | 142.8 |
| 170°   | 142.1 | 142.1 |
| 172.5° | 140.9 | 140.7 |
| 175°   | 140.3 | 140.3 |
| 177.5° | 139.7 | 139.4 |
| 180°   | 139.4 | 139.4 |

TEST NUMBER: P936286

CATALOG NUMBER: SQ4-FB-025U-050D-B2750-1D-UNV-W2A-W-4-5000K

**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 | 4.11             | 5.15  | 4.95  | 6.01  | 7.09  | 17.25          | 18.29 | 18.09 | 19.15 | 20.23 |
|                 | 3H   | 4.83             | 5.77  | 5.68  | 6.64  | 7.74  | 19.09          | 20.03 | 19.94 | 20.90 | 22.00 |
|                 | 4H   | 5.14             | 6.02  | 6.00  | 6.90  | 8.02  | 19.73          | 20.62 | 20.60 | 21.50 | 22.61 |
|                 | 6H   | 5.40             | 6.22  | 6.27  | 7.10  | 8.23  | 20.16          | 20.98 | 21.04 | 21.86 | 22.99 |
|                 | 8H   | 5.47             | 6.25  | 6.36  | 7.16  | 8.28  | 20.28          | 21.06 | 21.16 | 21.96 | 23.09 |
|                 | 12H  | 5.50             | 6.24  | 6.39  | 7.14  | 8.29  | 20.35          | 21.09 | 21.24 | 21.99 | 23.14 |
| 4H              | 2H   | 11.33            | 12.21 | 12.19 | 13.09 | 14.20 | 17.55          | 18.44 | 18.42 | 19.31 | 20.43 |
|                 | 3H   | 12.91            | 13.65 | 13.79 | 14.56 | 15.69 | 19.60          | 20.34 | 20.48 | 21.25 | 22.38 |
|                 | 4H   | 13.02            | 13.69 | 13.91 | 14.60 | 15.75 | 20.36          | 21.04 | 21.25 | 21.94 | 23.10 |
|                 | 6H   | 13.04            | 13.62 | 13.94 | 14.55 | 15.71 | 20.90          | 21.49 | 21.80 | 22.42 | 23.57 |
|                 | 8H   | 13.02            | 13.57 | 13.93 | 14.49 | 15.66 | 21.06          | 21.61 | 21.97 | 22.53 | 23.70 |
|                 | 12H  | 12.98            | 13.48 | 13.91 | 14.42 | 15.60 | 21.15          | 21.65 | 22.08 | 22.59 | 23.77 |
| 8H              | 4H   | 14.46            | 15.01 | 15.37 | 15.94 | 17.11 | 20.44          | 20.99 | 21.35 | 21.91 | 23.08 |
|                 | 6H   | 14.72            | 15.17 | 15.65 | 16.14 | 17.31 | 21.06          | 21.52 | 22.00 | 22.48 | 23.66 |
|                 | 8H   | 14.74            | 15.14 | 15.68 | 16.10 | 17.29 | 21.28          | 21.68 | 22.22 | 22.64 | 23.83 |
|                 | 12H  | 14.71            | 15.07 | 15.66 | 16.02 | 17.26 | 21.42          | 21.78 | 22.37 | 22.73 | 23.97 |
| 12H             | 4H   | 14.61            | 15.11 | 15.54 | 16.05 | 17.23 | 20.40          | 20.90 | 21.33 | 21.84 | 23.02 |
|                 | 6H   | 14.97            | 15.38 | 15.92 | 16.33 | 17.52 | 21.05          | 21.45 | 21.99 | 22.41 | 23.60 |
|                 | 8H   | 15.05            | 15.41 | 16.00 | 16.36 | 17.59 | 21.28          | 21.64 | 22.23 | 22.59 | 23.82 |

END OF REPORT