

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: P853775

Luminaire Tested: SQ2-FA-075U-125D-940-UNV-STD-W-4

Issue Date: 7/12/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P853775  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-11, G2-2308-131-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2-FA-075U-125D-940-UNV-STD-W-4  
Description: CORELITE SQ2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: -

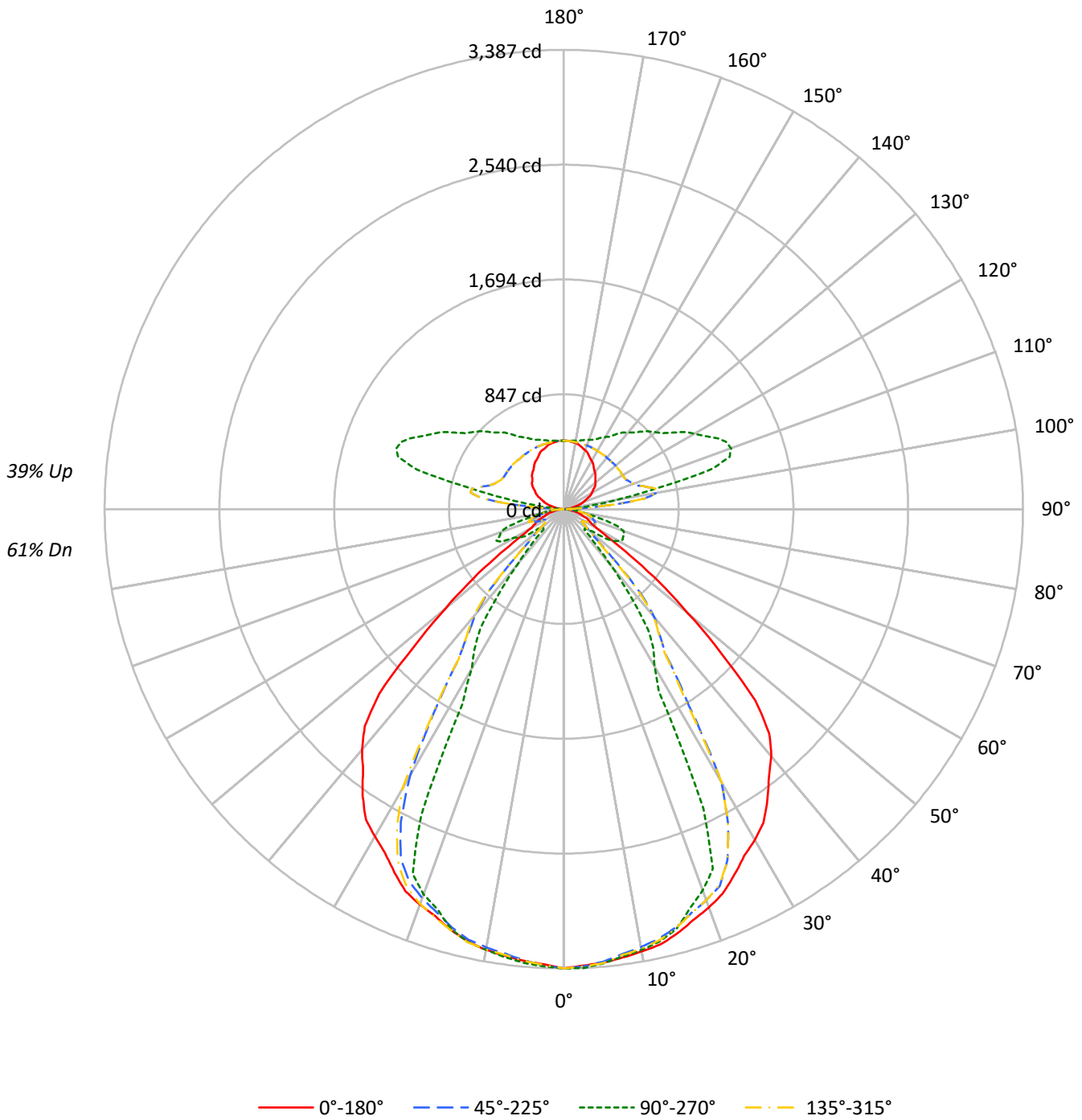
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8070.8 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 0.95 / 0.95  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 72.5  
Input Voltage (V): 120  
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: P853775

CATALOG NUMBER: SQ2-FA-075U-125D-940-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P853775

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**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   | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 67 | 67 | 67 | 61 | 61 | 61 | 61 |   |
| 1   | 102 | 98  | 94  | 91  | 95  | 92  | 89  | 86  | 81 | 78 | 76 | 70 | 69 | 67 | 61 | 60 | 59 | 54 | 54 | 54 | 54 |   |
| 2   | 94  | 87  | 82  | 77  | 88  | 82  | 77  | 73  | 72 | 69 | 66 | 64 | 61 | 59 | 55 | 54 | 52 | 48 | 48 | 48 | 48 |   |
| 3   | 87  | 78  | 72  | 66  | 81  | 74  | 68  | 63  | 66 | 61 | 57 | 58 | 55 | 52 | 51 | 48 | 46 | 43 | 43 | 43 | 43 |   |
| 4   | 80  | 71  | 64  | 58  | 75  | 67  | 61  | 56  | 60 | 55 | 51 | 53 | 49 | 46 | 47 | 44 | 42 | 39 | 39 | 39 | 39 |   |
| 5   | 75  | 64  | 57  | 51  | 70  | 61  | 54  | 49  | 55 | 49 | 45 | 49 | 45 | 41 | 43 | 40 | 38 | 35 | 35 | 35 | 35 |   |
| 6   | 70  | 59  | 51  | 46  | 65  | 56  | 49  | 44  | 50 | 45 | 41 | 45 | 41 | 38 | 40 | 37 | 34 | 32 | 32 | 32 | 32 |   |
| 7   | 65  | 54  | 46  | 41  | 61  | 51  | 45  | 40  | 46 | 41 | 37 | 42 | 37 | 34 | 37 | 34 | 31 | 29 | 29 | 29 | 29 |   |
| 8   | 61  | 50  | 42  | 37  | 57  | 47  | 41  | 36  | 43 | 38 | 34 | 39 | 34 | 31 | 35 | 32 | 29 | 27 | 27 | 27 | 27 |   |
| 9   | 57  | 46  | 39  | 34  | 54  | 44  | 37  | 33  | 40 | 35 | 31 | 36 | 32 | 29 | 33 | 29 | 27 | 25 | 25 | 25 | 25 |   |
| 10  | 54  | 43  | 36  | 31  | 51  | 41  | 35  | 30  | 37 | 32 | 28 | 34 | 30 | 27 | 31 | 27 | 25 | 23 | 23 | 23 | 23 |   |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 54692 | 54692 | 54692 | 54692 |
| 5°  | 54404 | 54486 | 54196 | 54446 |
| 10° | 54321 | 54111 | 54111 | 54111 |
| 15° | 54145 | 53590 | 53717 | 53590 |
| 20° | 53725 | 51441 | 53330 | 51924 |
| 25° | 53019 | 43417 | 52654 | 44325 |
| 30° | 52532 | 24908 | 51960 | 25242 |
| 35° | 51610 | 21400 | 50955 | 21098 |
| 40° | 50182 | 11253 | 48780 | 11145 |
| 45° | 45615 | 4841  | 43980 | 4841  |
| 50° | 30094 | 5840  | 28555 | 5453  |
| 55° | 16828 | 10787 | 15964 | 9779  |
| 60° | 9074  | 15177 | 8909  | 13611 |
| 65° | 8004  | 18445 | 8393  | 20982 |
| 70° | 7478  | 22069 | 7114  | 23273 |
| 75° | 7012  | 18964 | 7174  | 19601 |
| 80° | 5941  | 13538 | 5941  | 14254 |
| 85° | 5206  | 7577  | 4724  | 8985  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 45615 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 318.8  | 3.9       |
| 10°-20°   | 904.3  | 11.2      |
| 20°-30°   | 1233.1 | 15.3      |
| 30°-40°   | 1036.2 | 12.8      |
| 40°-50°   | 588.5  | 7.3       |
| 50°-60°   | 312.3  | 3.9       |
| 60°-70°   | 287.5  | 3.6       |
| 70°-80°   | 211.1  | 2.6       |
| 80°-90°   | 55.6   | 0.7       |
| 90°-100°  | 190.8  | 2.4       |
| 100°-110° | 632.4  | 7.8       |
| 110°-120° | 627.7  | 7.8       |
| 120°-130° | 511.3  | 6.3       |
| 130°-140° | 415.5  | 5.1       |
| 140°-150° | 322.7  | 4.0       |
| 150°-160° | 232.5  | 2.9       |
| 160°-170° | 142.4  | 1.8       |
| 170°-180° | 48.1   | 0.6       |
| 0°-30°    | 2456.2 | 30.4      |
| 0°-40°    | 3492.4 | 43.3      |
| 0°-60°    | 4393.2 | 54.4      |
| 0°-90°    | 4947.4 | 61.3      |
| 90°-120°  | 1450.9 | 18.0      |
| 90°-150°  | 2700.4 | 33.5      |
| 90°-180°  | 3123.0 | 38.7      |
| 0°-180°   | 8070.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 3387 | 3387 | 3387 | 3387 | 3387 |      |
| 5°   | 3357 | 3362 | 3344 | 3359 | 3357 | 319  |
| 15°  | 3239 | 3206 | 3214 | 3206 | 3239 | 913  |
| 25°  | 2976 | 2437 | 2956 | 2488 | 2976 | 1372 |
| 35°  | 2618 | 1086 | 2585 | 1070 | 2618 | 1635 |
| 45°  | 1998 | 212  | 1926 | 212  | 1998 | 1461 |
| 55°  | 598  | 383  | 567  | 347  | 598  | 576  |
| 65°  | 210  | 483  | 220  | 549  | 210  | 210  |
| 75°  | 112  | 304  | 115  | 314  | 112  | 116  |
| 85°  | 28   | 41   | 26   | 48   | 28   | 31   |
| 90°  | 0    | 4    | 0    | 4    | 0    | 3    |
| 95°  | 27   | 82   | 27   | 82   | 27   | 31   |
| 105° | 111  | 1116 | 111  | 1116 | 111  | 117  |
| 115° | 197  | 1241 | 197  | 1241 | 197  | 195  |
| 125° | 276  | 983  | 276  | 983  | 276  | 245  |
| 135° | 330  | 807  | 330  | 807  | 330  | 255  |
| 145° | 383  | 674  | 383  | 674  | 383  | 240  |
| 155° | 438  | 570  | 438  | 570  | 438  | 202  |
| 165° | 480  | 525  | 480  | 525  | 480  | 135  |
| 175° | 502  | 506  | 502  | 506  | 502  | 48   |
| 180° | 504  | 504  | 504  | 504  | 504  |      |



TEST NUMBER: P853775

CATALOG NUMBER: SQ2-FA-075U-125D-940-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 |
| 2.5°   | 3369.0 | 3418.9 | 3375.1 | 3369.4 | 3387.4 | 3383.4 | 3377.1 | 3400.7 | 3360.8 | 3400.7 | 3369.0 |
| 5°     | 3356.7 | 3414.1 | 3349.0 | 3331.8 | 3361.8 | 3341.8 | 3359.3 | 3393.9 | 3343.9 | 3388.9 | 3338.8 |
| 7.5°   | 3335.7 | 3386.7 | 3308.7 | 3297.6 | 3327.1 | 3309.6 | 3316.8 | 3364.9 | 3323.0 | 3352.4 | 3307.1 |
| 10°    | 3313.3 | 3358.2 | 3280.1 | 3273.0 | 3300.5 | 3283.0 | 3290.3 | 3340.5 | 3300.5 | 3328.0 | 3282.6 |
| 12.5°  | 3288.7 | 3323.7 | 3245.3 | 3242.3 | 3265.8 | 3254.3 | 3257.6 | 3299.8 | 3267.8 | 3295.3 | 3252.0 |
| 15°    | 3239.2 | 3271.7 | 3193.2 | 3181.0 | 3206.0 | 3196.0 | 3200.9 | 3238.6 | 3213.6 | 3231.1 | 3193.2 |
| 17.5°  | 3177.9 | 3203.9 | 3125.8 | 3089.0 | 3090.0 | 3102.5 | 3125.8 | 3171.2 | 3148.8 | 3171.7 | 3118.1 |
| 20°    | 3126.8 | 3156.8 | 3070.6 | 2998.9 | 2993.9 | 3006.4 | 3070.6 | 3116.3 | 3103.8 | 3128.8 | 3052.7 |
| 22.5°  | 3067.5 | 3087.5 | 3009.3 | 2888.3 | 2871.3 | 2883.8 | 3001.1 | 3055.2 | 3050.7 | 3067.6 | 2973.0 |
| 25°    | 2976.1 | 2996.0 | 2853.4 | 2679.3 | 2437.1 | 2664.4 | 2858.6 | 2955.6 | 2955.6 | 2970.6 | 2845.8 |
| 27.5°  | 2883.1 | 2883.6 | 2625.6 | 1720.7 | 1517.9 | 1658.8 | 2622.0 | 2832.5 | 2856.5 | 2849.0 | 2603.6 |
| 30°    | 2817.7 | 2800.2 | 2327.2 | 1391.0 | 1336.0 | 1371.0 | 2329.8 | 2747.1 | 2787.0 | 2759.6 | 2268.5 |
| 32.5°  | 2742.1 | 2692.6 | 1718.2 | 1278.8 | 1233.9 | 1264.8 | 1661.5 | 2645.6 | 2715.5 | 2656.1 | 1784.1 |
| 35°    | 2618.4 | 2488.5 | 1310.5 | 1130.6 | 1085.7 | 1125.7 | 1300.3 | 2445.3 | 2585.2 | 2425.4 | 1353.9 |
| 37.5°  | 2485.1 | 1978.0 | 1153.6 | 900.6  | 803.7  | 881.1  | 1148.0 | 1956.8 | 2430.9 | 1911.4 | 1152.6 |
| 40°    | 2380.9 | 1554.1 | 1037.2 | 658.8  | 533.9  | 621.3  | 1029.5 | 1482.7 | 2314.4 | 1595.1 | 1011.6 |
| 42.5°  | 2241.9 | 1365.2 | 832.8  | 418.4  | 327.5  | 382.9  | 798.6  | 1333.6 | 2171.4 | 1382.1 | 805.2  |
| 45°    | 1997.7 | 1173.4 | 493.0  | 229.5  | 212.0  | 222.0  | 454.7  | 1151.8 | 1926.1 | 1126.8 | 503.2  |
| 47.5°  | 1582.3 | 894.9  | 316.8  | 195.1  | 214.1  | 195.1  | 307.1  | 866.5  | 1494.4 | 865.0  | 316.3  |
| 50°    | 1198.1 | 698.5  | 245.2  | 197.5  | 232.5  | 197.5  | 237.6  | 674.7  | 1136.8 | 737.1  | 242.7  |
| 52.5°  | 887.5  | 583.7  | 200.3  | 216.5  | 279.5  | 220.5  | 194.7  | 568.2  | 842.5  | 594.7  | 189.5  |
| 55°    | 597.8  | 457.9  | 160.9  | 285.8  | 383.2  | 293.3  | 160.9  | 444.7  | 567.1  | 439.7  | 155.8  |
| 57.5°  | 379.1  | 340.6  | 163.0  | 367.4  | 437.3  | 374.4  | 165.5  | 328.3  | 363.8  | 329.8  | 143.1  |
| 60°    | 281.0  | 268.5  | 181.4  | 390.1  | 470.0  | 395.1  | 183.9  | 258.4  | 275.9  | 255.9  | 153.3  |
| 62.5°  | 232.0  | 211.5  | 218.2  | 422.5  | 488.4  | 411.5  | 222.8  | 201.7  | 241.2  | 193.2  | 169.6  |
| 65°    | 209.5  | 137.0  | 258.0  | 427.9  | 482.8  | 427.9  | 260.6  | 129.8  | 219.7  | 139.8  | 229.9  |
| 67.5°  | 189.0  | 101.6  | 249.3  | 424.9  | 485.9  | 425.9  | 243.2  | 96.9   | 181.4  | 94.5   | 235.0  |
| 70°    | 158.4  | 90.9   | 235.0  | 432.5  | 467.5  | 417.5  | 235.0  | 88.3   | 150.7  | 85.8   | 275.9  |
| 72.5°  | 131.8  | 86.4   | 218.7  | 399.4  | 414.4  | 384.4  | 220.7  | 85.9   | 132.3  | 77.4   | 259.5  |
| 75°    | 112.4  | 84.9   | 209.5  | 319.0  | 304.0  | 304.0  | 204.4  | 82.5   | 115.0  | 77.5   | 201.8  |
| 77.5°  | 84.3   | 75.3   | 173.7  | 208.2  | 196.7  | 196.7  | 170.6  | 72.7   | 80.2   | 68.2   | 164.0  |
| 80°    | 63.9   | 68.9   | 143.1  | 153.1  | 145.6  | 145.6  | 137.9  | 66.4   | 63.9   | 63.9   | 135.4  |
| 82.5°  | 49.6   | 58.6   | 110.4  | 112.3  | 106.8  | 104.8  | 107.3  | 58.1   | 49.6   | 53.6   | 104.7  |
| 85°    | 28.1   | 40.6   | 58.8   | 48.4   | 40.9   | 38.4   | 56.2   | 38.0   | 25.5   | 38.0   | 56.2   |
| 87.5°  | 10.2   | 18.4   | 8.8    | 9.0    | 9.0    | 9.0    | 8.8    | 18.4   | 10.2   | 16.4   | 10.8   |
| 90°    | 0.0    | 1.0    | 3.1    | 4.2    | 4.2    | 4.2    | 3.1    | 1.0    | 0.0    | 1.0    | 3.1    |
| 92.5°  | 8.4    | 32.3   | 95.0   | 30.8   | 25.9   | 30.8   | 95.0   | 32.3   | 8.4    | 32.3   | 95.0   |
| 95°    | 27.2   | 80.3   | 345.7  | 123.4  | 82.5   | 123.4  | 345.7  | 80.3   | 27.2   | 80.3   | 345.7  |
| 97.5°  | 49.9   | 105.5  | 603.5  | 352.0  | 222.5  | 352.0  | 603.5  | 105.5  | 49.9   | 105.5  | 603.5  |
| 100°   | 65.8   | 118.9  | 698.7  | 600.1  | 397.9  | 600.1  | 698.7  | 118.9  | 65.8   | 118.9  | 698.7  |
| 102.5° | 83.3   | 134.8  | 692.9  | 917.1  | 692.9  | 917.1  | 692.9  | 134.8  | 83.3   | 134.8  | 692.9  |
| 105°   | 110.7  | 157.7  | 632.9  | 1194.1 | 1116.5 | 1194.1 | 632.9  | 157.7  | 110.7  | 157.7  | 632.9  |
| 107.5° | 138.7  | 180.6  | 575.5  | 1222.3 | 1281.3 | 1222.3 | 575.5  | 180.6  | 138.7  | 180.6  | 575.5  |
| 110°   | 154.6  | 196.4  | 546.2  | 1194.4 | 1313.9 | 1194.4 | 546.2  | 196.4  | 154.6  | 196.4  | 546.2  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5°  | 90°    | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|--------|-------|-------|-------|--------|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 171.3 | 212.3 | 528.7 | 1145.0 | 1297.2 | 1145.0 | 528.7 | 212.3  | 171.3 | 212.3  | 528.7 |
| 115°   | 197.4 | 236.2 | 509.7 | 1061.1 | 1240.8 | 1061.1 | 509.7 | 236.2  | 197.4 | 236.2  | 509.7 |
| 117.5° | 223.3 | 257.8 | 502.8 | 980.8  | 1169.4 | 980.8  | 502.8 | 257.8  | 223.3 | 257.8  | 502.8 |
| 120°   | 239.2 | 272.9 | 500.3 | 930.6  | 1113.4 | 930.6  | 500.3 | 272.9  | 239.2 | 272.9  | 500.3 |
| 122.5° | 253.4 | 286.3 | 500.3 | 889.3  | 1058.2 | 889.3  | 500.3 | 286.3  | 253.4 | 286.3  | 500.3 |
| 125°   | 275.7 | 306.4 | 500.3 | 833.7  | 982.8  | 833.7  | 500.3 | 306.4  | 275.7 | 306.4  | 500.3 |
| 127.5° | 294.1 | 324.1 | 499.0 | 791.7  | 919.1  | 791.7  | 499.0 | 324.1  | 294.1 | 324.1  | 499.0 |
| 130°   | 305.0 | 336.6 | 498.2 | 767.1  | 881.5  | 767.1  | 498.2 | 336.6  | 305.0 | 336.6  | 498.2 |
| 132.5° | 315.0 | 347.5 | 497.4 | 746.8  | 849.8  | 746.8  | 497.4 | 347.5  | 315.0 | 347.5  | 497.4 |
| 135°   | 330.0 | 363.7 | 496.1 | 715.4  | 807.4  | 715.4  | 496.1 | 363.7  | 330.0 | 363.7  | 496.1 |
| 137.5° | 346.3 | 378.8 | 494.9 | 685.1  | 766.2  | 685.1  | 494.9 | 378.8  | 346.3 | 378.8  | 494.9 |
| 140°   | 357.2 | 388.9 | 494.0 | 664.9  | 739.5  | 664.9  | 494.0 | 388.9  | 357.2 | 388.9  | 494.0 |
| 142.5° | 367.2 | 398.1 | 494.9 | 644.7  | 711.1  | 644.7  | 494.9 | 398.1  | 367.2 | 398.1  | 494.9 |
| 145°   | 383.3 | 411.9 | 495.1 | 615.5  | 673.7  | 615.5  | 495.1 | 411.9  | 383.3 | 411.9  | 495.1 |
| 147.5° | 400.6 | 424.5 | 495.3 | 590.7  | 634.0  | 590.7  | 495.3 | 424.5  | 400.6 | 424.5  | 495.3 |
| 150°   | 411.5 | 433.0 | 496.1 | 576.3  | 613.1  | 576.3  | 496.1 | 433.0  | 411.5 | 433.0  | 496.1 |
| 152.5° | 421.5 | 442.2 | 496.9 | 564.5  | 593.9  | 564.5  | 496.9 | 442.2  | 421.5 | 442.2  | 496.9 |
| 155°   | 437.6 | 452.9 | 498.2 | 549.8  | 570.3  | 549.8  | 498.2 | 452.9  | 437.6 | 452.9  | 498.2 |
| 157.5° | 453.3 | 465.1 | 499.5 | 539.5  | 554.0  | 539.5  | 499.5 | 465.1  | 453.3 | 465.1  | 499.5 |
| 160°   | 461.6 | 471.9 | 500.3 | 531.9  | 543.1  | 531.9  | 500.3 | 471.9  | 461.6 | 471.9  | 500.3 |
| 162.5° | 470.0 | 477.8 | 500.3 | 526.8  | 535.6  | 526.8  | 500.3 | 477.8  | 470.0 | 477.8  | 500.3 |
| 165°   | 480.4 | 485.5 | 500.3 | 520.2  | 525.4  | 520.2  | 500.3 | 485.5  | 480.4 | 485.5  | 500.3 |
| 167.5° | 490.1 | 492.7 | 501.3 | 514.3  | 517.0  | 514.3  | 501.3 | 492.7  | 490.1 | 492.7  | 501.3 |
| 170°   | 495.1 | 496.1 | 501.3 | 511.8  | 512.8  | 511.8  | 501.3 | 496.1  | 495.1 | 496.1  | 501.3 |
| 172.5° | 498.4 | 499.4 | 502.2 | 509.3  | 509.5  | 509.3  | 502.2 | 499.4  | 498.4 | 499.4  | 502.2 |
| 175°   | 502.4 | 502.4 | 503.4 | 506.5  | 505.5  | 506.5  | 503.4 | 502.4  | 502.4 | 502.4  | 503.4 |
| 177.5° | 504.5 | 504.5 | 503.6 | 505.3  | 503.6  | 505.3  | 503.6 | 504.5  | 504.5 | 504.5  | 503.6 |
| 180°   | 504.5 | 504.5 | 504.5 | 504.5  | 504.5  | 504.5  | 504.5 | 504.5  | 504.5 | 504.5  | 504.5 |



TEST NUMBER: P853775

CATALOG NUMBER: SQ2-FA-075U-125D-940-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 | 3387.4 |
| 2.5°   | 3361.1 | 3375.1 | 3375.1 | 3366.9 | 3406.9 | 3369.0 |
| 5°     | 3326.8 | 3359.3 | 3344.3 | 3343.9 | 3394.2 | 3356.7 |
| 7.5°   | 3302.7 | 3333.2 | 3319.2 | 3316.3 | 3365.7 | 3335.7 |
| 10°    | 3278.0 | 3300.5 | 3290.5 | 3297.9 | 3343.2 | 3313.3 |
| 12.5°  | 3243.4 | 3269.8 | 3259.8 | 3271.4 | 3312.7 | 3288.7 |
| 15°    | 3183.5 | 3206.0 | 3211.0 | 3216.2 | 3264.2 | 3239.2 |
| 17.5°  | 3084.6 | 3095.6 | 3120.6 | 3155.9 | 3205.9 | 3177.9 |
| 20°    | 3007.1 | 3022.0 | 3037.0 | 3098.7 | 3156.8 | 3126.8 |
| 22.5°  | 2918.7 | 2913.7 | 2948.7 | 3021.0 | 3093.5 | 3067.5 |
| 25°    | 2680.5 | 2488.1 | 2700.5 | 2886.7 | 2983.6 | 2976.1 |
| 27.5°  | 1866.4 | 1619.6 | 1837.9 | 2664.4 | 2868.1 | 2883.1 |
| 30°    | 1468.8 | 1353.9 | 1466.3 | 2378.3 | 2782.7 | 2817.7 |
| 32.5°  | 1304.1 | 1225.2 | 1293.6 | 1810.2 | 2675.1 | 2742.1 |
| 35°    | 1125.3 | 1070.4 | 1125.3 | 1353.9 | 2463.6 | 2618.4 |
| 37.5°  | 900.7  | 788.3  | 898.7  | 1170.0 | 1991.5 | 2485.1 |
| 40°    | 671.2  | 528.8  | 651.2  | 1047.4 | 1591.5 | 2380.9 |
| 42.5°  | 447.2  | 340.8  | 423.2  | 824.6  | 1376.6 | 2241.9 |
| 45°    | 242.0  | 212.0  | 232.0  | 498.1  | 1123.4 | 1997.7 |
| 47.5°  | 189.8  | 200.8  | 189.8  | 314.2  | 859.4  | 1582.3 |
| 50°    | 182.2  | 217.1  | 182.2  | 242.7  | 711.0  | 1198.1 |
| 52.5°  | 198.6  | 235.5  | 196.6  | 191.6  | 580.2  | 887.5  |
| 55°    | 225.0  | 347.4  | 227.5  | 155.8  | 425.4  | 597.8  |
| 57.5°  | 320.4  | 390.8  | 323.9  | 147.7  | 327.6  | 379.1  |
| 60°    | 329.1  | 421.5  | 326.6  | 155.8  | 253.5  | 281.0  |
| 62.5°  | 389.3  | 521.6  | 388.8  | 178.3  | 188.5  | 232.0  |
| 65°    | 499.3  | 549.2  | 504.3  | 227.4  | 134.5  | 209.5  |
| 67.5°  | 473.9  | 509.4  | 468.9  | 243.7  | 92.6   | 189.0  |
| 70°    | 465.6  | 493.0  | 460.6  | 278.4  | 85.9   | 158.4  |
| 72.5°  | 434.4  | 437.9  | 425.4  | 258.0  | 77.4   | 131.8  |
| 75°    | 336.7  | 314.2  | 324.2  | 222.2  | 77.4   | 112.4  |
| 77.5°  | 209.3  | 200.3  | 201.8  | 169.6  | 68.3   | 84.3   |
| 80°    | 158.3  | 153.3  | 150.8  | 143.1  | 63.9   | 63.9   |
| 82.5°  | 117.4  | 112.4  | 109.9  | 110.4  | 53.6   | 49.6   |
| 85°    | 53.5   | 48.5   | 46.0   | 63.9   | 38.1   | 28.1   |
| 87.5°  | 11.1   | 11.1   | 9.1    | 10.8   | 14.4   | 10.2   |
| 90°    | 4.2    | 4.2    | 4.2    | 3.1    | 1.0    | 0.0    |
| 92.5°  | 30.8   | 25.9   | 30.8   | 95.0   | 32.3   | 8.4    |
| 95°    | 123.4  | 82.5   | 123.4  | 345.7  | 80.3   | 27.2   |
| 97.5°  | 352.0  | 222.5  | 352.0  | 603.5  | 105.5  | 49.9   |
| 100°   | 600.1  | 397.9  | 600.1  | 698.7  | 118.9  | 65.8   |
| 102.5° | 917.1  | 692.9  | 917.1  | 692.9  | 134.8  | 83.3   |
| 105°   | 1194.1 | 1116.5 | 1194.1 | 632.9  | 157.7  | 110.7  |
| 107.5° | 1222.3 | 1281.3 | 1222.3 | 575.5  | 180.6  | 138.7  |
| 110°   | 1194.4 | 1313.9 | 1194.4 | 546.2  | 196.4  | 154.6  |





TEST NUMBER: P853775

CATALOG NUMBER: SQ2-FA-075U-125D-940-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|--------|--------|-------|--------|-------|
| 112.5° | 1145.0 | 1297.2 | 1145.0 | 528.7 | 212.3  | 171.3 |
| 115°   | 1061.1 | 1240.8 | 1061.1 | 509.7 | 236.2  | 197.4 |
| 117.5° | 980.8  | 1169.4 | 980.8  | 502.8 | 257.8  | 223.3 |
| 120°   | 930.6  | 1113.4 | 930.6  | 500.3 | 272.9  | 239.2 |
| 122.5° | 889.3  | 1058.2 | 889.3  | 500.3 | 286.3  | 253.4 |
| 125°   | 833.7  | 982.8  | 833.7  | 500.3 | 306.4  | 275.7 |
| 127.5° | 791.7  | 919.1  | 791.7  | 499.0 | 324.1  | 294.1 |
| 130°   | 767.1  | 881.5  | 767.1  | 498.2 | 336.6  | 305.0 |
| 132.5° | 746.8  | 849.8  | 746.8  | 497.4 | 347.5  | 315.0 |
| 135°   | 715.4  | 807.4  | 715.4  | 496.1 | 363.7  | 330.0 |
| 137.5° | 685.1  | 766.2  | 685.1  | 494.9 | 378.8  | 346.3 |
| 140°   | 664.9  | 739.5  | 664.9  | 494.0 | 388.9  | 357.2 |
| 142.5° | 644.7  | 711.1  | 644.7  | 494.9 | 398.1  | 367.2 |
| 145°   | 615.5  | 673.7  | 615.5  | 495.1 | 411.9  | 383.3 |
| 147.5° | 590.7  | 634.0  | 590.7  | 495.3 | 424.5  | 400.6 |
| 150°   | 576.3  | 613.1  | 576.3  | 496.1 | 433.0  | 411.5 |
| 152.5° | 564.5  | 593.9  | 564.5  | 496.9 | 442.2  | 421.5 |
| 155°   | 549.8  | 570.3  | 549.8  | 498.2 | 452.9  | 437.6 |
| 157.5° | 539.5  | 554.0  | 539.5  | 499.5 | 465.1  | 453.3 |
| 160°   | 531.9  | 543.1  | 531.9  | 500.3 | 471.9  | 461.6 |
| 162.5° | 526.8  | 535.6  | 526.8  | 500.3 | 477.8  | 470.0 |
| 165°   | 520.2  | 525.4  | 520.2  | 500.3 | 485.5  | 480.4 |
| 167.5° | 514.3  | 517.0  | 514.3  | 501.3 | 492.7  | 490.1 |
| 170°   | 511.8  | 512.8  | 511.8  | 501.3 | 496.1  | 495.1 |
| 172.5° | 509.3  | 509.5  | 509.3  | 502.2 | 499.4  | 498.4 |
| 175°   | 506.5  | 505.5  | 506.5  | 503.4 | 502.4  | 502.4 |
| 177.5° | 505.3  | 503.6  | 505.3  | 503.6 | 504.5  | 504.5 |
| 180°   | 504.5  | 504.5  | 504.5  | 504.5 | 504.5  | 504.5 |



TEST NUMBER: P853775

CATALOG NUMBER: SQ2-FA-075U-125D-940-UNV-STD-W-4

**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 | 14.84            | 15.68 | 15.72 | 16.56 | 17.67 | 13.70          | 14.54 | 14.58 | 15.42 | 16.53 |
|                 | 3H   | 15.54            | 16.29 | 16.43 | 17.18 | 18.32 | 19.85          | 20.60 | 20.74 | 21.49 | 22.63 |
|                 | 4H   | 15.95            | 16.66 | 16.86 | 17.56 | 18.70 | 21.13          | 21.84 | 22.03 | 22.73 | 23.88 |
|                 | 6H   | 16.31            | 16.96 | 17.22 | 17.86 | 19.02 | 21.73          | 22.39 | 22.65 | 23.29 | 24.45 |
|                 | 8H   | 16.43            | 17.04 | 17.35 | 17.96 | 19.12 | 21.86          | 22.48 | 22.78 | 23.40 | 24.55 |
|                 | 12H  | 16.50            | 17.09 | 17.42 | 18.00 | 19.18 | 21.90          | 22.49 | 22.83 | 23.40 | 24.58 |
| 4H              | 2H   | 15.24            | 15.95 | 16.15 | 16.84 | 17.99 | 14.23          | 14.94 | 15.14 | 15.84 | 16.98 |
|                 | 3H   | 16.24            | 16.83 | 17.15 | 17.75 | 18.91 | 20.56          | 21.15 | 21.48 | 22.08 | 23.24 |
|                 | 4H   | 16.80            | 17.33 | 17.72 | 18.26 | 19.44 | 22.01          | 22.55 | 22.94 | 23.47 | 24.66 |
|                 | 6H   | 17.27            | 17.74 | 18.21 | 18.68 | 19.87 | 22.75          | 23.21 | 23.69 | 24.15 | 25.34 |
|                 | 8H   | 17.45            | 17.88 | 18.39 | 18.82 | 20.02 | 22.91          | 23.35 | 23.86 | 24.29 | 25.48 |
|                 | 12H  | 17.56            | 17.95 | 18.52 | 18.91 | 20.11 | 22.97          | 23.36 | 23.93 | 24.32 | 25.52 |
| 8H              | 4H   | 17.90            | 18.33 | 18.84 | 19.27 | 20.47 | 22.13          | 22.56 | 23.08 | 23.50 | 24.70 |
|                 | 6H   | 18.51            | 18.86 | 19.47 | 19.84 | 21.04 | 23.01          | 23.37 | 23.98 | 24.35 | 25.55 |
|                 | 8H   | 18.74            | 19.05 | 19.72 | 20.03 | 21.24 | 23.26          | 23.57 | 24.24 | 24.55 | 25.76 |
|                 | 12H  | 18.91            | 19.19 | 19.89 | 20.15 | 21.42 | 23.38          | 23.66 | 24.36 | 24.62 | 25.89 |
| 12H             | 4H   | 18.04            | 18.43 | 19.00 | 19.39 | 20.59 | 22.09          | 22.48 | 23.05 | 23.44 | 24.64 |
|                 | 6H   | 18.78            | 19.09 | 19.76 | 20.07 | 21.28 | 23.02          | 23.33 | 24.00 | 24.31 | 25.52 |
|                 | 8H   | 19.08            | 19.36 | 20.06 | 20.32 | 21.59 | 23.30          | 23.58 | 24.28 | 24.54 | 25.81 |