

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: P855454

Luminaire Tested: SQ2-FA-075U-125D-840-UNV-STD-W-4

Issue Date: 7/12/2024

Test Information

Test Method: LM-79-2019
Report Number: P855454
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-840-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

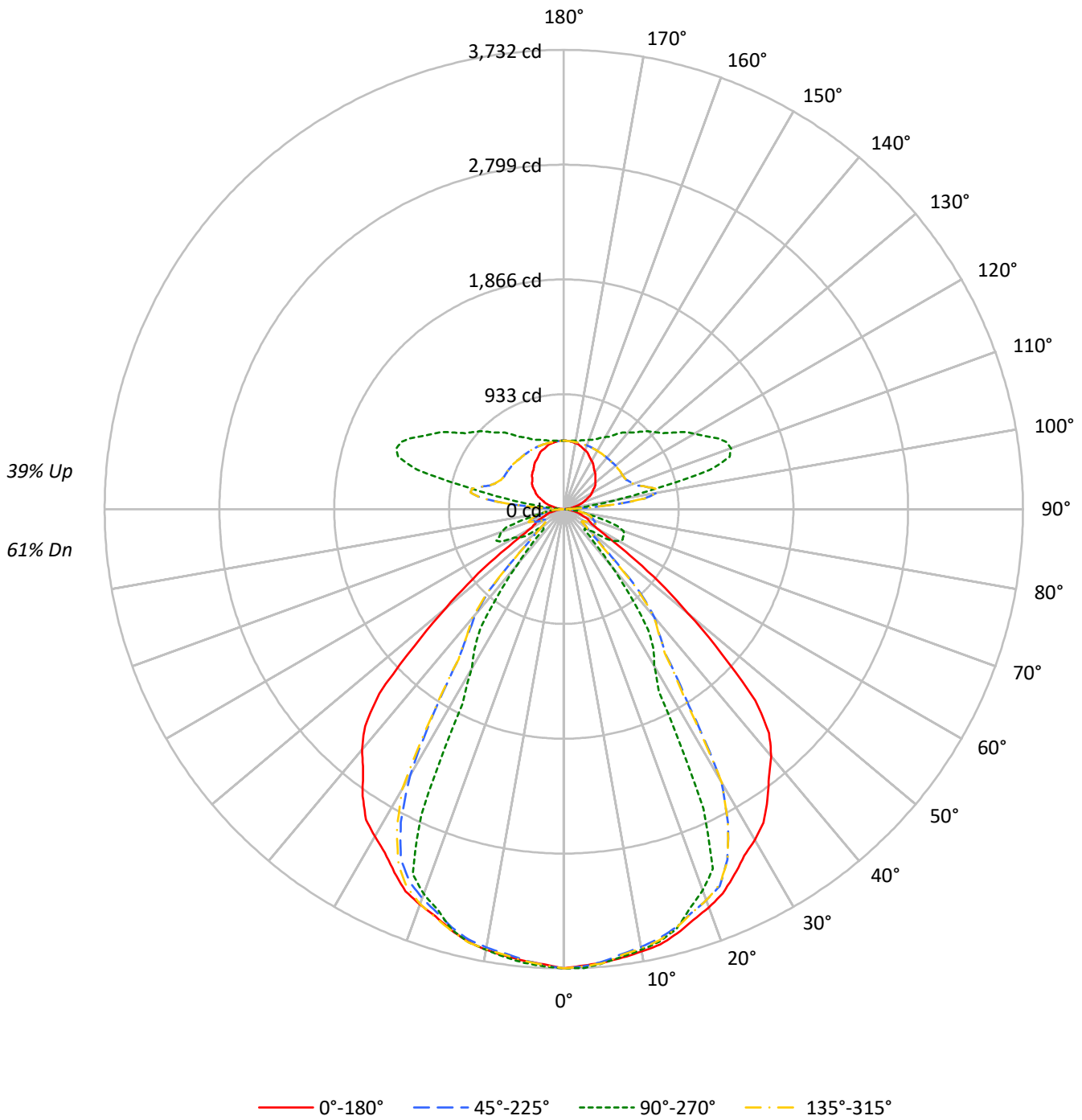
Lumens per Lamp: N/A
Luminaire Lumens: 8892.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.95 / 0.95
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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: P855454

CATALOG NUMBER: SQ2-FA-075U-125D-840-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P855454

CATALOG NUMBER: SQ2-FA-075U-125D-840-UNV-STD-W-4

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 67 | 67 | 67 | 61 |
| 1 | 102 | 98 | 94 | 91 | 95 | 92 | 89 | 86 | 81 | 78 | 76 | 70 | 69 | 67 | 61 | 60 | 59 | 54 |
| 2 | 94 | 87 | 82 | 77 | 88 | 82 | 77 | 73 | 72 | 69 | 66 | 64 | 61 | 59 | 55 | 54 | 52 | 48 |
| 3 | 87 | 78 | 72 | 66 | 81 | 74 | 68 | 63 | 66 | 61 | 57 | 58 | 55 | 52 | 51 | 48 | 46 | 43 |
| 4 | 80 | 71 | 64 | 58 | 75 | 67 | 61 | 56 | 60 | 55 | 51 | 53 | 49 | 46 | 47 | 44 | 42 | 39 |
| 5 | 75 | 64 | 57 | 51 | 70 | 61 | 54 | 49 | 55 | 49 | 45 | 49 | 45 | 41 | 43 | 40 | 38 | 35 |
| 6 | 70 | 59 | 51 | 46 | 65 | 56 | 49 | 44 | 50 | 45 | 41 | 45 | 41 | 38 | 40 | 37 | 34 | 32 |
| 7 | 65 | 54 | 46 | 41 | 61 | 51 | 45 | 40 | 46 | 41 | 37 | 42 | 37 | 34 | 37 | 34 | 31 | 29 |
| 8 | 61 | 50 | 42 | 37 | 57 | 47 | 41 | 36 | 43 | 38 | 34 | 39 | 34 | 31 | 35 | 32 | 29 | 27 |
| 9 | 57 | 46 | 39 | 34 | 54 | 44 | 37 | 33 | 40 | 35 | 31 | 36 | 32 | 29 | 33 | 29 | 27 | 25 |
| 10 | 54 | 43 | 36 | 31 | 51 | 41 | 35 | 30 | 37 | 32 | 28 | 34 | 30 | 27 | 31 | 27 | 25 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 60258 | 60258 | 60258 | 60258 |
| 5° | 59940 | 60031 | 59712 | 59986 |
| 10° | 59848 | 59617 | 59617 | 59617 |
| 15° | 59654 | 59042 | 59183 | 59042 |
| 20° | 59190 | 56677 | 58756 | 57209 |
| 25° | 58413 | 47835 | 58013 | 48838 |
| 30° | 57877 | 27443 | 57247 | 27811 |
| 35° | 56861 | 23578 | 56139 | 23245 |
| 40° | 55287 | 12397 | 53744 | 12279 |
| 45° | 50257 | 5332 | 48458 | 5332 |
| 50° | 33156 | 6435 | 31461 | 6011 |
| 55° | 18539 | 11885 | 17588 | 10773 |
| 60° | 9998 | 16724 | 9813 | 14996 |
| 65° | 8814 | 20321 | 9249 | 23117 |
| 70° | 8238 | 24316 | 7841 | 25643 |
| 75° | 7729 | 20892 | 7904 | 21597 |
| 80° | 6546 | 14923 | 6546 | 15704 |
| 85° | 5743 | 8336 | 5224 | 9911 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 50257 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 351.2 | 3.9 |
| 10°-20° | 996.4 | 11.2 |
| 20°-30° | 1358.5 | 15.3 |
| 30°-40° | 1141.6 | 12.8 |
| 40°-50° | 648.4 | 7.3 |
| 50°-60° | 344.0 | 3.9 |
| 60°-70° | 316.8 | 3.6 |
| 70°-80° | 232.6 | 2.6 |
| 80°-90° | 61.3 | 0.7 |
| 90°-100° | 210.2 | 2.4 |
| 100°-110° | 696.8 | 7.8 |
| 110°-120° | 691.6 | 7.8 |
| 120°-130° | 563.3 | 6.3 |
| 130°-140° | 457.8 | 5.1 |
| 140°-150° | 355.5 | 4.0 |
| 150°-160° | 256.2 | 2.9 |
| 160°-170° | 156.9 | 1.8 |
| 170°-180° | 53.0 | 0.6 |
| 0°-30° | 2706.1 | 30.4 |
| 0°-40° | 3847.8 | 43.3 |
| 0°-60° | 4840.2 | 54.4 |
| 0°-90° | 5450.9 | 61.3 |
| 90°-120° | 1598.6 | 18.0 |
| 90°-150° | 2975.2 | 33.5 |
| 90°-180° | 3441.0 | 38.7 |
| 0°-180° | 8892.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 3732 | 3732 | 3732 | 3732 | 3732 | |
| 5° | 3698 | 3704 | 3684 | 3701 | 3698 | 351 |
| 15° | 3569 | 3532 | 3541 | 3532 | 3569 | 1006 |
| 25° | 3279 | 2685 | 3256 | 2741 | 3279 | 1512 |
| 35° | 2885 | 1196 | 2848 | 1179 | 2885 | 1801 |
| 45° | 2201 | 234 | 2122 | 234 | 2201 | 1609 |
| 55° | 659 | 422 | 625 | 383 | 659 | 634 |
| 65° | 231 | 532 | 242 | 605 | 231 | 232 |
| 75° | 124 | 335 | 127 | 346 | 124 | 128 |
| 85° | 31 | 45 | 28 | 54 | 31 | 34 |
| 90° | 0 | 4 | 0 | 4 | 0 | 3 |
| 95° | 30 | 91 | 30 | 91 | 30 | 34 |
| 105° | 122 | 1230 | 122 | 1230 | 122 | 129 |
| 115° | 218 | 1367 | 218 | 1367 | 218 | 215 |
| 125° | 304 | 1083 | 304 | 1083 | 304 | 270 |
| 135° | 364 | 890 | 364 | 890 | 364 | 281 |
| 145° | 422 | 742 | 422 | 742 | 422 | 265 |
| 155° | 482 | 628 | 482 | 628 | 482 | 222 |
| 165° | 529 | 579 | 529 | 579 | 529 | 149 |
| 175° | 553 | 557 | 553 | 557 | 553 | 53 |
| 180° | 556 | 556 | 556 | 556 | 556 | |



TEST NUMBER: P855454

CATALOG NUMBER: SQ2-FA-075U-125D-840-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 |
| 2.5° | 3711.8 | 3766.8 | 3718.6 | 3712.3 | 3732.1 | 3727.7 | 3720.8 | 3746.8 | 3702.7 | 3746.8 | 3711.8 |
| 5° | 3698.3 | 3761.6 | 3689.8 | 3670.9 | 3703.9 | 3681.9 | 3701.1 | 3739.2 | 3684.2 | 3733.7 | 3678.6 |
| 7.5° | 3675.2 | 3731.3 | 3645.4 | 3633.1 | 3665.7 | 3646.3 | 3654.3 | 3707.4 | 3661.1 | 3693.6 | 3643.6 |
| 10° | 3650.4 | 3699.9 | 3613.8 | 3606.1 | 3636.3 | 3617.1 | 3625.1 | 3680.3 | 3636.3 | 3666.6 | 3616.6 |
| 12.5° | 3623.3 | 3661.9 | 3575.6 | 3572.2 | 3598.1 | 3585.4 | 3589.1 | 3635.6 | 3600.3 | 3630.6 | 3582.9 |
| 15° | 3568.8 | 3604.6 | 3518.1 | 3504.7 | 3532.2 | 3521.1 | 3526.6 | 3568.2 | 3540.6 | 3560.0 | 3518.1 |
| 17.5° | 3501.2 | 3529.9 | 3443.9 | 3403.3 | 3404.4 | 3418.2 | 3443.9 | 3493.9 | 3469.2 | 3494.5 | 3435.4 |
| 20° | 3444.9 | 3478.0 | 3383.0 | 3304.1 | 3298.6 | 3312.3 | 3383.0 | 3433.4 | 3419.6 | 3447.1 | 3363.3 |
| 22.5° | 3379.7 | 3401.7 | 3315.4 | 3182.2 | 3163.5 | 3177.2 | 3306.5 | 3366.0 | 3361.1 | 3379.8 | 3275.5 |
| 25° | 3278.9 | 3300.9 | 3143.8 | 2952.0 | 2685.1 | 2935.4 | 3149.4 | 3256.4 | 3256.4 | 3272.9 | 3135.4 |
| 27.5° | 3176.4 | 3177.0 | 2892.8 | 1895.9 | 1672.4 | 1827.6 | 2888.8 | 3120.7 | 3147.2 | 3138.9 | 2868.5 |
| 30° | 3104.4 | 3085.2 | 2564.0 | 1532.5 | 1472.0 | 1510.5 | 2566.8 | 3026.5 | 3070.6 | 3040.3 | 2499.3 |
| 32.5° | 3021.1 | 2966.6 | 1893.1 | 1409.0 | 1359.4 | 1393.6 | 1830.6 | 2914.8 | 2991.8 | 2926.3 | 1965.7 |
| 35° | 2884.8 | 2741.7 | 1443.8 | 1245.7 | 1196.2 | 1240.2 | 1432.6 | 2694.2 | 2848.2 | 2672.1 | 1491.7 |
| 37.5° | 2738.0 | 2179.3 | 1271.0 | 992.2 | 885.5 | 970.8 | 1264.8 | 2156.0 | 2678.3 | 2105.9 | 1269.9 |
| 40° | 2623.1 | 1712.2 | 1142.7 | 725.8 | 588.2 | 684.6 | 1134.3 | 1633.5 | 2549.9 | 1757.4 | 1114.6 |
| 42.5° | 2470.1 | 1504.1 | 917.5 | 461.0 | 360.8 | 421.9 | 879.8 | 1469.3 | 2392.3 | 1522.7 | 887.1 |
| 45° | 2201.0 | 1292.8 | 543.2 | 252.9 | 233.5 | 244.6 | 501.0 | 1269.0 | 2122.2 | 1241.5 | 554.5 |
| 47.5° | 1743.3 | 985.9 | 349.0 | 214.9 | 235.9 | 214.9 | 338.3 | 954.7 | 1646.5 | 952.9 | 348.5 |
| 50° | 1320.0 | 769.6 | 270.1 | 217.6 | 256.2 | 217.6 | 261.7 | 743.3 | 1252.5 | 812.2 | 267.3 |
| 52.5° | 977.8 | 643.1 | 220.6 | 238.6 | 307.9 | 243.0 | 214.4 | 626.1 | 928.2 | 655.2 | 208.8 |
| 55° | 658.6 | 504.5 | 177.3 | 314.9 | 422.2 | 323.0 | 177.3 | 489.9 | 624.8 | 484.5 | 171.7 |
| 57.5° | 417.7 | 375.3 | 179.6 | 404.7 | 481.9 | 412.6 | 182.4 | 361.7 | 400.8 | 363.4 | 157.6 |
| 60° | 309.6 | 295.8 | 199.9 | 429.8 | 517.9 | 435.3 | 202.7 | 284.7 | 303.9 | 281.9 | 168.9 |
| 62.5° | 255.6 | 233.0 | 240.3 | 465.5 | 538.2 | 453.3 | 245.4 | 222.2 | 265.7 | 212.8 | 186.9 |
| 65° | 230.7 | 151.0 | 284.2 | 471.4 | 531.9 | 471.4 | 287.0 | 143.0 | 242.1 | 153.9 | 253.4 |
| 67.5° | 208.3 | 112.0 | 274.7 | 468.1 | 535.3 | 469.3 | 267.9 | 106.9 | 199.9 | 104.1 | 259.0 |
| 70° | 174.5 | 100.2 | 259.0 | 476.5 | 515.1 | 460.0 | 259.0 | 97.3 | 166.1 | 94.5 | 303.9 |
| 72.5° | 145.2 | 95.1 | 240.9 | 440.1 | 456.5 | 423.5 | 243.2 | 94.6 | 145.8 | 85.2 | 286.0 |
| 75° | 123.9 | 93.6 | 230.7 | 351.5 | 334.9 | 334.9 | 225.2 | 90.9 | 126.7 | 85.4 | 222.4 |
| 77.5° | 92.9 | 83.0 | 191.4 | 229.4 | 216.8 | 216.8 | 188.0 | 80.1 | 88.3 | 75.2 | 180.6 |
| 80° | 70.4 | 75.9 | 157.6 | 168.6 | 160.5 | 160.5 | 152.0 | 73.1 | 70.4 | 70.4 | 149.2 |
| 82.5° | 54.7 | 64.6 | 121.6 | 123.6 | 117.6 | 115.5 | 118.2 | 64.0 | 54.7 | 59.0 | 115.4 |
| 85° | 31.0 | 44.8 | 64.7 | 53.3 | 45.0 | 42.3 | 61.9 | 42.0 | 28.2 | 42.0 | 61.9 |
| 87.5° | 11.3 | 20.3 | 9.7 | 9.9 | 9.9 | 9.9 | 9.7 | 20.3 | 11.3 | 18.1 | 12.0 |
| 90° | 0.0 | 1.2 | 3.5 | 4.5 | 4.5 | 4.5 | 3.5 | 1.2 | 0.0 | 1.2 | 3.5 |
| 92.5° | 9.2 | 35.5 | 104.8 | 33.9 | 28.6 | 33.9 | 104.8 | 35.5 | 9.2 | 35.5 | 104.8 |
| 95° | 30.0 | 88.5 | 380.9 | 135.9 | 90.9 | 135.9 | 380.9 | 88.5 | 30.0 | 88.5 | 380.9 |
| 97.5° | 55.0 | 116.2 | 664.9 | 387.7 | 245.1 | 387.7 | 664.9 | 116.2 | 55.0 | 116.2 | 664.9 |
| 100° | 72.5 | 131.0 | 769.9 | 661.2 | 438.4 | 661.2 | 769.9 | 131.0 | 72.5 | 131.0 | 769.9 |
| 102.5° | 91.8 | 148.6 | 763.3 | 1010.5 | 763.3 | 1010.5 | 763.3 | 148.6 | 91.8 | 148.6 | 763.3 |
| 105° | 122.0 | 173.8 | 697.4 | 1315.6 | 1230.1 | 1315.6 | 697.4 | 173.8 | 122.0 | 173.8 | 697.4 |
| 107.5° | 152.8 | 198.9 | 634.1 | 1346.6 | 1411.7 | 1346.6 | 634.1 | 198.9 | 152.8 | 198.9 | 634.1 |
| 110° | 170.3 | 216.4 | 601.8 | 1316.0 | 1447.5 | 1316.0 | 601.8 | 216.4 | 170.3 | 216.4 | 601.8 |



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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° | 188.7 | 233.9 | 582.5 | 1261.5 | 1429.2 | 1261.5 | 582.5 | 233.9 | 188.7 | 233.9 | 582.5 |
| 115° | 217.5 | 260.2 | 561.6 | 1169.0 | 1367.0 | 1169.0 | 561.6 | 260.2 | 217.5 | 260.2 | 561.6 |
| 117.5° | 246.0 | 284.0 | 553.9 | 1080.7 | 1288.4 | 1080.7 | 553.9 | 284.0 | 246.0 | 284.0 | 553.9 |
| 120° | 263.5 | 300.7 | 551.2 | 1025.3 | 1226.7 | 1025.3 | 551.2 | 300.7 | 263.5 | 300.7 | 551.2 |
| 122.5° | 279.1 | 315.4 | 551.2 | 979.8 | 1165.9 | 979.8 | 551.2 | 315.4 | 279.1 | 315.4 | 551.2 |
| 125° | 303.8 | 337.5 | 551.2 | 918.6 | 1082.8 | 918.6 | 551.2 | 337.5 | 303.8 | 337.5 | 551.2 |
| 127.5° | 324.1 | 357.1 | 549.8 | 872.2 | 1012.6 | 872.2 | 549.8 | 357.1 | 324.1 | 357.1 | 549.8 |
| 130° | 336.0 | 370.9 | 548.9 | 845.1 | 971.2 | 845.1 | 548.9 | 370.9 | 336.0 | 370.9 | 548.9 |
| 132.5° | 347.1 | 382.8 | 548.0 | 822.8 | 936.2 | 822.8 | 548.0 | 382.8 | 347.1 | 382.8 | 548.0 |
| 135° | 363.6 | 400.8 | 546.6 | 788.3 | 889.6 | 788.3 | 546.6 | 400.8 | 363.6 | 400.8 | 546.6 |
| 137.5° | 381.6 | 417.3 | 545.2 | 754.8 | 844.2 | 754.8 | 545.2 | 417.3 | 381.6 | 417.3 | 545.2 |
| 140° | 393.6 | 428.4 | 544.2 | 732.6 | 814.7 | 732.6 | 544.2 | 428.4 | 393.6 | 428.4 | 544.2 |
| 142.5° | 404.6 | 438.5 | 545.2 | 710.3 | 783.4 | 710.3 | 545.2 | 438.5 | 404.6 | 438.5 | 545.2 |
| 145° | 422.3 | 453.8 | 545.4 | 678.0 | 742.2 | 678.0 | 545.4 | 453.8 | 422.3 | 453.8 | 545.4 |
| 147.5° | 441.5 | 467.8 | 545.6 | 650.8 | 698.5 | 650.8 | 545.6 | 467.8 | 441.5 | 467.8 | 545.6 |
| 150° | 453.3 | 477.0 | 546.6 | 634.9 | 675.5 | 634.9 | 546.6 | 477.0 | 453.3 | 477.0 | 546.6 |
| 152.5° | 464.4 | 487.1 | 547.5 | 621.9 | 654.3 | 621.9 | 547.5 | 487.1 | 464.4 | 487.1 | 547.5 |
| 155° | 482.1 | 499.0 | 548.9 | 605.8 | 628.3 | 605.8 | 548.9 | 499.0 | 482.1 | 499.0 | 548.9 |
| 157.5° | 499.4 | 512.4 | 550.3 | 594.4 | 610.3 | 594.4 | 550.3 | 512.4 | 499.4 | 512.4 | 550.3 |
| 160° | 508.6 | 519.9 | 551.2 | 586.0 | 598.3 | 586.0 | 551.2 | 519.9 | 508.6 | 519.9 | 551.2 |
| 162.5° | 517.8 | 526.4 | 551.2 | 580.4 | 590.0 | 580.4 | 551.2 | 526.4 | 517.8 | 526.4 | 551.2 |
| 165° | 529.3 | 534.9 | 551.2 | 573.1 | 578.9 | 573.1 | 551.2 | 534.9 | 529.3 | 534.9 | 551.2 |
| 167.5° | 539.9 | 542.8 | 552.4 | 566.7 | 569.6 | 566.7 | 552.4 | 542.8 | 539.9 | 542.8 | 552.4 |
| 170° | 545.4 | 546.6 | 552.4 | 563.8 | 565.0 | 563.8 | 552.4 | 546.6 | 545.4 | 546.6 | 552.4 |
| 172.5° | 549.1 | 550.3 | 553.2 | 561.1 | 561.4 | 561.1 | 553.2 | 550.3 | 549.1 | 550.3 | 553.2 |
| 175° | 553.4 | 553.4 | 554.6 | 558.1 | 556.9 | 558.1 | 554.6 | 553.4 | 553.4 | 553.4 | 554.6 |
| 177.5° | 555.8 | 555.8 | 554.8 | 556.7 | 554.8 | 556.7 | 554.8 | 555.8 | 555.8 | 555.8 | 554.8 |
| 180° | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 |



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CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 | 3732.1 |
| 2.5° | 3703.1 | 3718.6 | 3718.6 | 3709.5 | 3753.6 | 3711.8 |
| 5° | 3665.3 | 3701.1 | 3684.5 | 3684.2 | 3739.5 | 3698.3 |
| 7.5° | 3638.8 | 3672.4 | 3656.9 | 3653.8 | 3708.2 | 3675.2 |
| 10° | 3611.6 | 3636.3 | 3625.3 | 3633.5 | 3683.5 | 3650.4 |
| 12.5° | 3573.4 | 3602.6 | 3591.5 | 3604.2 | 3649.8 | 3623.3 |
| 15° | 3507.4 | 3532.2 | 3537.7 | 3543.5 | 3596.3 | 3568.8 |
| 17.5° | 3398.5 | 3410.7 | 3438.2 | 3477.1 | 3532.1 | 3501.2 |
| 20° | 3313.0 | 3329.6 | 3346.1 | 3414.0 | 3478.0 | 3444.9 |
| 22.5° | 3215.7 | 3210.2 | 3248.8 | 3328.4 | 3408.3 | 3379.7 |
| 25° | 2953.2 | 2741.4 | 2975.3 | 3180.4 | 3287.1 | 3278.9 |
| 27.5° | 2056.2 | 1784.3 | 2024.9 | 2935.5 | 3160.0 | 3176.4 |
| 30° | 1618.3 | 1491.7 | 1615.5 | 2620.3 | 3065.8 | 3104.4 |
| 32.5° | 1436.8 | 1349.9 | 1425.3 | 1994.4 | 2947.3 | 3021.1 |
| 35° | 1239.9 | 1179.3 | 1239.9 | 1491.7 | 2714.2 | 2884.8 |
| 37.5° | 992.3 | 868.6 | 990.2 | 1289.1 | 2194.2 | 2738.0 |
| 40° | 739.4 | 582.6 | 717.4 | 1154.0 | 1753.5 | 2623.1 |
| 42.5° | 492.7 | 375.5 | 466.3 | 908.5 | 1516.8 | 2470.1 |
| 45° | 266.6 | 233.5 | 255.6 | 548.8 | 1237.8 | 2201.0 |
| 47.5° | 209.1 | 221.2 | 209.1 | 346.2 | 946.9 | 1743.3 |
| 50° | 200.7 | 239.3 | 200.7 | 267.3 | 783.4 | 1320.0 |
| 52.5° | 218.7 | 259.5 | 216.5 | 211.1 | 639.2 | 977.8 |
| 55° | 247.9 | 382.7 | 250.7 | 171.7 | 468.7 | 658.6 |
| 57.5° | 353.0 | 430.6 | 356.8 | 162.7 | 360.9 | 417.7 |
| 60° | 362.6 | 464.4 | 359.9 | 171.7 | 279.3 | 309.6 |
| 62.5° | 428.9 | 574.8 | 428.3 | 196.5 | 207.7 | 255.6 |
| 65° | 550.1 | 605.1 | 555.5 | 250.4 | 148.2 | 230.7 |
| 67.5° | 522.1 | 561.3 | 516.6 | 268.5 | 102.1 | 208.3 |
| 70° | 512.9 | 543.2 | 507.4 | 306.7 | 94.7 | 174.5 |
| 72.5° | 478.5 | 482.4 | 468.6 | 284.2 | 85.2 | 145.2 |
| 75° | 370.9 | 346.2 | 357.2 | 244.9 | 85.3 | 123.9 |
| 77.5° | 230.5 | 220.6 | 222.4 | 186.9 | 75.3 | 92.9 |
| 80° | 174.3 | 168.9 | 166.1 | 157.6 | 70.4 | 70.4 |
| 82.5° | 129.4 | 123.9 | 121.1 | 121.6 | 59.0 | 54.7 |
| 85° | 59.0 | 53.5 | 50.7 | 70.4 | 42.0 | 31.0 |
| 87.5° | 12.2 | 12.2 | 10.0 | 12.0 | 15.8 | 11.3 |
| 90° | 4.5 | 4.5 | 4.5 | 3.5 | 1.2 | 0.0 |
| 92.5° | 33.9 | 28.6 | 33.9 | 104.8 | 35.5 | 9.2 |
| 95° | 135.9 | 90.9 | 135.9 | 380.9 | 88.5 | 30.0 |
| 97.5° | 387.7 | 245.1 | 387.7 | 664.9 | 116.2 | 55.0 |
| 100° | 661.2 | 438.4 | 661.2 | 769.9 | 131.0 | 72.5 |
| 102.5° | 1010.5 | 763.3 | 1010.5 | 763.3 | 148.6 | 91.8 |
| 105° | 1315.6 | 1230.1 | 1315.6 | 697.4 | 173.8 | 122.0 |
| 107.5° | 1346.6 | 1411.7 | 1346.6 | 634.1 | 198.9 | 152.8 |
| 110° | 1316.0 | 1447.5 | 1316.0 | 601.8 | 216.4 | 170.3 |



TEST NUMBER: P855454

CATALOG NUMBER: SQ2-FA-075U-125D-840-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|-------|--------|-------|
| 112.5° | 1261.5 | 1429.2 | 1261.5 | 582.5 | 233.9 | 188.7 |
| 115° | 1169.0 | 1367.0 | 1169.0 | 561.6 | 260.2 | 217.5 |
| 117.5° | 1080.7 | 1288.4 | 1080.7 | 553.9 | 284.0 | 246.0 |
| 120° | 1025.3 | 1226.7 | 1025.3 | 551.2 | 300.7 | 263.5 |
| 122.5° | 979.8 | 1165.9 | 979.8 | 551.2 | 315.4 | 279.1 |
| 125° | 918.6 | 1082.8 | 918.6 | 551.2 | 337.5 | 303.8 |
| 127.5° | 872.2 | 1012.6 | 872.2 | 549.8 | 357.1 | 324.1 |
| 130° | 845.1 | 971.2 | 845.1 | 548.9 | 370.9 | 336.0 |
| 132.5° | 822.8 | 936.2 | 822.8 | 548.0 | 382.8 | 347.1 |
| 135° | 788.3 | 889.6 | 788.3 | 546.6 | 400.8 | 363.6 |
| 137.5° | 754.8 | 844.2 | 754.8 | 545.2 | 417.3 | 381.6 |
| 140° | 732.6 | 814.7 | 732.6 | 544.2 | 428.4 | 393.6 |
| 142.5° | 710.3 | 783.4 | 710.3 | 545.2 | 438.5 | 404.6 |
| 145° | 678.0 | 742.2 | 678.0 | 545.4 | 453.8 | 422.3 |
| 147.5° | 650.8 | 698.5 | 650.8 | 545.6 | 467.8 | 441.5 |
| 150° | 634.9 | 675.5 | 634.9 | 546.6 | 477.0 | 453.3 |
| 152.5° | 621.9 | 654.3 | 621.9 | 547.5 | 487.1 | 464.4 |
| 155° | 605.8 | 628.3 | 605.8 | 548.9 | 499.0 | 482.1 |
| 157.5° | 594.4 | 610.3 | 594.4 | 550.3 | 512.4 | 499.4 |
| 160° | 586.0 | 598.3 | 586.0 | 551.2 | 519.9 | 508.6 |
| 162.5° | 580.4 | 590.0 | 580.4 | 551.2 | 526.4 | 517.8 |
| 165° | 573.1 | 578.9 | 573.1 | 551.2 | 534.9 | 529.3 |
| 167.5° | 566.7 | 569.6 | 566.7 | 552.4 | 542.8 | 539.9 |
| 170° | 563.8 | 565.0 | 563.8 | 552.4 | 546.6 | 545.4 |
| 172.5° | 561.1 | 561.4 | 561.1 | 553.2 | 550.3 | 549.1 |
| 175° | 558.1 | 556.9 | 558.1 | 554.6 | 553.4 | 553.4 |
| 177.5° | 556.7 | 554.8 | 556.7 | 554.8 | 555.8 | 555.8 |
| 180° | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 | 555.8 |

TEST NUMBER: P855454

CATALOG NUMBER: SQ2-FA-075U-125D-840-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 | 15.18 | 16.02 | 16.06 | 16.90 | 18.01 | 14.04 | 14.87 | 14.91 | 15.76 | 16.86 |
| | 3H | 15.88 | 16.63 | 16.77 | 17.52 | 18.66 | 20.19 | 20.94 | 21.08 | 21.83 | 22.97 |
| | 4H | 16.29 | 17.00 | 17.20 | 17.89 | 19.04 | 21.46 | 22.17 | 22.37 | 23.07 | 24.22 |
| | 6H | 16.65 | 17.30 | 17.56 | 18.20 | 19.36 | 22.07 | 22.72 | 22.99 | 23.63 | 24.78 |
| | 8H | 16.76 | 17.38 | 17.69 | 18.30 | 19.46 | 22.20 | 22.81 | 23.12 | 23.73 | 24.89 |
| | 12H | 16.84 | 17.42 | 17.76 | 18.34 | 19.52 | 22.24 | 22.82 | 23.16 | 23.74 | 24.92 |
| 4H | 2H | 15.57 | 16.28 | 16.48 | 17.18 | 18.33 | 14.57 | 15.28 | 15.48 | 16.17 | 17.32 |
| | 3H | 16.57 | 17.16 | 17.49 | 18.09 | 19.25 | 20.89 | 21.48 | 21.81 | 22.41 | 23.57 |
| | 4H | 17.13 | 17.67 | 18.06 | 18.60 | 19.78 | 22.35 | 22.88 | 23.27 | 23.81 | 24.99 |
| | 6H | 17.61 | 18.07 | 18.55 | 19.02 | 20.21 | 23.08 | 23.54 | 24.02 | 24.49 | 25.68 |
| | 8H | 17.78 | 18.21 | 18.72 | 19.15 | 20.35 | 23.25 | 23.68 | 24.19 | 24.62 | 25.82 |
| | 12H | 17.90 | 18.28 | 18.86 | 19.24 | 20.45 | 23.31 | 23.70 | 24.27 | 24.66 | 25.86 |
| 8H | 4H | 18.23 | 18.67 | 19.18 | 19.61 | 20.81 | 22.47 | 22.90 | 23.41 | 23.84 | 25.04 |
| | 6H | 18.84 | 19.20 | 19.81 | 20.18 | 21.38 | 23.35 | 23.70 | 24.32 | 24.69 | 25.88 |
| | 8H | 19.08 | 19.39 | 20.06 | 20.37 | 21.58 | 23.60 | 23.91 | 24.58 | 24.88 | 26.10 |
| | 12H | 19.25 | 19.53 | 20.23 | 20.49 | 21.76 | 23.72 | 23.99 | 24.70 | 24.96 | 26.23 |
| 12H | 4H | 18.38 | 18.77 | 19.34 | 19.73 | 20.93 | 22.43 | 22.82 | 23.39 | 23.78 | 24.98 |
| | 6H | 19.12 | 19.43 | 20.10 | 20.40 | 21.62 | 23.36 | 23.67 | 24.34 | 24.64 | 25.86 |
| | 8H | 19.42 | 19.69 | 20.40 | 20.66 | 21.92 | 23.64 | 23.91 | 24.62 | 24.88 | 26.14 |