

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: P938113

Luminaire Tested: SQ4-FB-125U-125D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P938113
REPORT IS A COMBINATION OF REPORTS P933592 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-125U-125D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

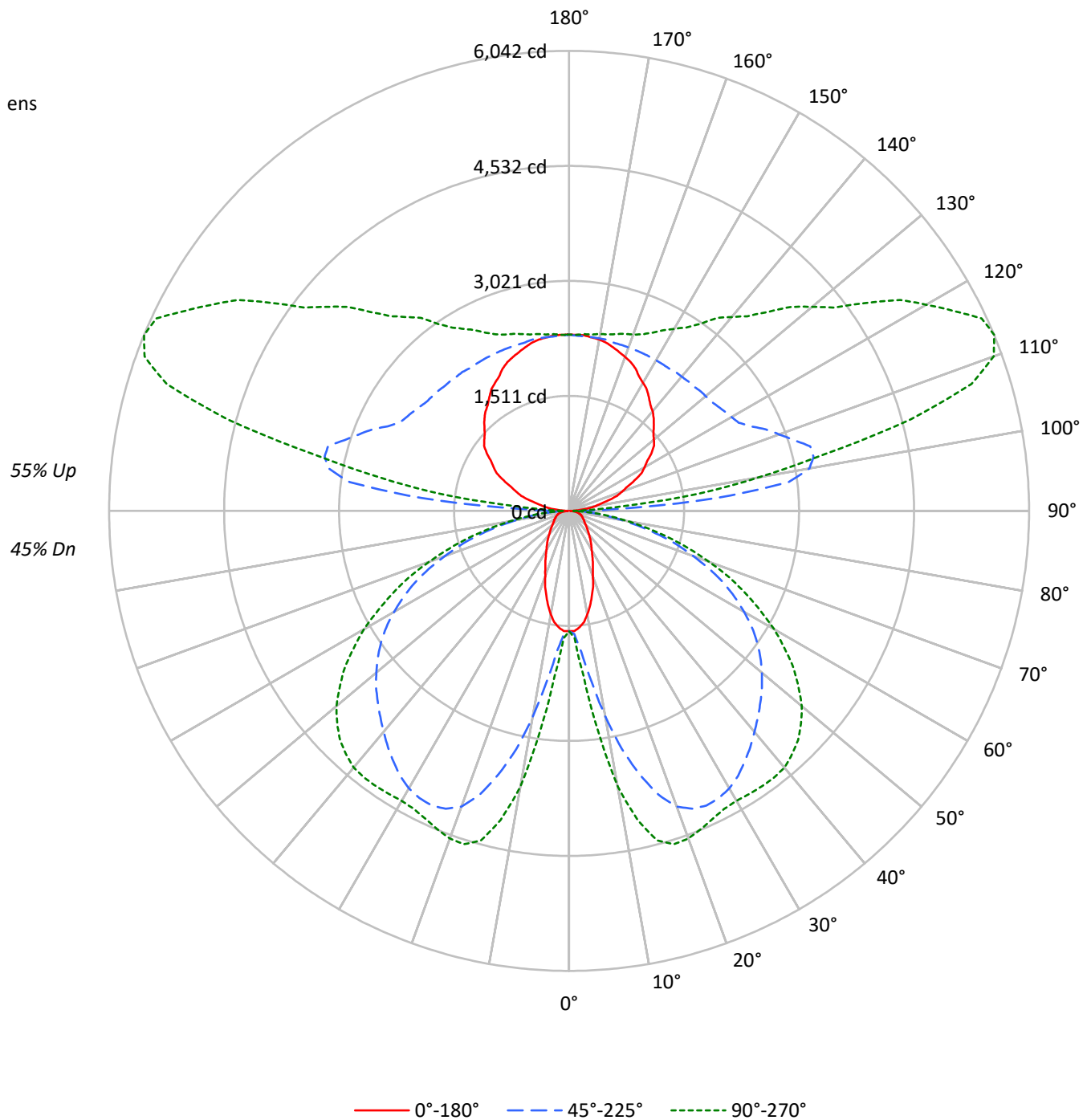
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27226.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 225.6
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: P938113
CATALOG NUMBER: SQ4-FB-125U-125D-835-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P938113

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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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 45 | 45 | 45 | 45 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 81 | 77 | 70 | 67 | 65 | 57 | 55 | 53 | 45 | 44 | 42 | 37 | 37 | 37 | 37 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 61 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 | 30 | 30 | 30 | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 34 | 31 | 29 | 25 | 25 | 25 | 25 |
| 4 | 72 | 61 | 53 | 47 | 66 | 56 | 49 | 43 | 47 | 41 | 37 | 38 | 34 | 31 | 30 | 27 | 25 | 21 | 21 | 21 | 21 |
| 5 | 66 | 54 | 46 | 39 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 34 | 29 | 26 | 27 | 23 | 21 | 18 | 18 | 18 | 18 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 18 | 15 | 15 | 15 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 28 | 23 | 27 | 23 | 20 | 22 | 18 | 16 | 13 | 13 | 13 | 13 |
| 8 | 52 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 20 | 17 | 20 | 16 | 14 | 12 | 12 | 12 | 12 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 10 | 10 | 10 | 10 |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 13 | 11 | 9 | 9 | 9 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4884 | 4884 | 4884 |
| 5° | 4772 | 5646 | 6564 |
| 10° | 4331 | 8232 | 10882 |
| 15° | 3682 | 10757 | 13140 |
| 20° | 2999 | 12469 | 13392 |
| 25° | 2502 | 13051 | 13120 |
| 30° | 2111 | 13137 | 13095 |
| 35° | 1868 | 12922 | 13434 |
| 40° | 1628 | 12643 | 13784 |
| 45° | 1475 | 12439 | 13838 |
| 50° | 1355 | 12256 | 13609 |
| 55° | 1299 | 11987 | 13005 |
| 60° | 1331 | 11466 | 12053 |
| 65° | 1387 | 10671 | 10744 |
| 70° | 1481 | 9312 | 9077 |
| 75° | 1647 | 7600 | 7083 |
| 80° | 1813 | 5277 | 4773 |
| 85° | 1646 | 2805 | 2443 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 13838 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 204.2 | 0.8 |
| 10°-20° | 905.2 | 3.3 |
| 20°-30° | 1583.3 | 5.8 |
| 30°-40° | 2038.1 | 7.5 |
| 40°-50° | 2276.5 | 8.4 |
| 50°-60° | 2180.4 | 8.0 |
| 60°-70° | 1728.0 | 6.3 |
| 70°-80° | 1016.1 | 3.7 |
| 80°-90° | 291.1 | 1.1 |
| 90°-100° | 1128.1 | 4.1 |
| 100°-110° | 2966.0 | 10.9 |
| 110°-120° | 3075.4 | 11.3 |
| 120°-130° | 2466.8 | 9.1 |
| 130°-140° | 1935.6 | 7.1 |
| 140°-150° | 1485.6 | 5.5 |
| 150°-160° | 1069.9 | 3.9 |
| 160°-170° | 654.6 | 2.4 |
| 170°-180° | 221.2 | 0.8 |
| 0°-30° | 2692.7 | 9.9 |
| 0°-40° | 4730.8 | 17.4 |
| 0°-60° | 9187.7 | 33.7 |
| 0°-90° | 12222.8 | 44.9 |
| 90°-120° | 7169.4 | 26.3 |
| 90°-150° | 13057.5 | 48.0 |
| 90°-180° | 15003.0 | 55.1 |
| 0°-180° | 27226.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1579 | 1579 | 1579 | 1579 | 1579 | |
| 5° | 1538 | 1650 | 1858 | 2102 | 2178 | 142 |
| 15° | 1152 | 2127 | 3584 | 4346 | 4483 | 321 |
| 25° | 736 | 2411 | 4270 | 4457 | 4462 | 339 |
| 35° | 498 | 2305 | 4021 | 4249 | 4417 | 311 |
| 45° | 340 | 1838 | 3554 | 4072 | 4254 | 263 |
| 55° | 244 | 1168 | 3016 | 3503 | 3599 | 222 |
| 65° | 193 | 619 | 2239 | 2518 | 2554 | 191 |
| 75° | 142 | 381 | 1229 | 1350 | 1356 | 149 |
| 85° | 51 | 117 | 305 | 335 | 340 | 54 |
| 90° | 16 | 44 | 118 | 59 | 59 | 16 |
| 95° | 149 | 584 | 1943 | 1002 | 682 | 166 |
| 105° | 534 | 809 | 3279 | 4978 | 4644 | 566 |
| 115° | 949 | 1152 | 2627 | 5239 | 5980 | 937 |
| 125° | 1320 | 1480 | 2389 | 4037 | 4762 | 1172 |
| 135° | 1574 | 1732 | 2314 | 3259 | 3695 | 1217 |
| 145° | 1825 | 1942 | 2285 | 2780 | 2998 | 1143 |
| 155° | 2063 | 2120 | 2285 | 2508 | 2582 | 948 |
| 165° | 2226 | 2255 | 2285 | 2375 | 2404 | 628 |
| 175° | 2314 | 2314 | 2300 | 2330 | 2330 | 220 |
| 180° | 2314 | 2314 | 2314 | 2314 | 2314 | |



TEST NUMBER: P938113
 CATALOG NUMBER: SQ4-FB-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1578.9 | 1578.9 | 1578.9 | 1578.9 | 1578.9 | 1578.9 | 1578.9 | 1578.9 | 1578.9 | 1578.9 | 1578.9 |
| 2.5° | 1578.9 | 1578.9 | 1589.0 | 1594.1 | 1604.2 | 1609.3 | 1619.5 | 1629.6 | 1660.1 | 1665.2 | 1675.3 |
| 5° | 1538.2 | 1558.5 | 1624.5 | 1649.9 | 1721.0 | 1817.5 | 1858.1 | 1924.1 | 2061.1 | 2101.8 | 2127.1 |
| 7.5° | 1477.3 | 1523.0 | 1685.5 | 1726.1 | 1903.8 | 2157.6 | 2264.2 | 2406.4 | 2624.7 | 2731.3 | 2817.6 |
| 10° | 1380.9 | 1477.3 | 1766.7 | 1863.1 | 2152.5 | 2538.3 | 2736.3 | 2934.3 | 3264.3 | 3411.5 | 3467.4 |
| 12.5° | 1274.3 | 1431.6 | 1853.0 | 1985.0 | 2401.3 | 2964.8 | 3203.4 | 3421.7 | 3797.4 | 3995.4 | 4025.8 |
| 15° | 1152.4 | 1365.6 | 1934.2 | 2127.1 | 2665.3 | 3320.2 | 3584.1 | 3853.2 | 4203.5 | 4345.7 | 4381.2 |
| 17.5° | 1045.8 | 1314.9 | 2010.4 | 2213.4 | 2868.3 | 3640.0 | 3909.1 | 4132.4 | 4416.7 | 4513.2 | 4538.6 |
| 20° | 913.8 | 1233.6 | 2061.1 | 2325.1 | 3081.6 | 3873.5 | 4132.4 | 4305.0 | 4498.0 | 4558.9 | 4569.0 |
| 22.5° | 817.3 | 1147.3 | 2091.6 | 2365.7 | 3223.7 | 4015.7 | 4234.0 | 4371.0 | 4503.0 | 4523.3 | 4528.4 |
| 25° | 736.1 | 1050.9 | 2086.5 | 2411.4 | 3345.5 | 4102.0 | 4269.5 | 4371.0 | 4447.2 | 4457.3 | 4457.3 |
| 27.5° | 660.0 | 944.3 | 2066.2 | 2421.6 | 3436.9 | 4122.3 | 4254.3 | 4325.3 | 4360.9 | 4381.2 | 4381.2 |
| 30° | 594.0 | 842.7 | 2015.4 | 2401.3 | 3477.5 | 4102.0 | 4208.6 | 4244.1 | 4279.7 | 4310.1 | 4325.3 |
| 32.5° | 543.2 | 746.3 | 1939.3 | 2360.7 | 3482.6 | 4051.2 | 4127.4 | 4147.7 | 4198.4 | 4269.5 | 4294.9 |
| 35° | 497.5 | 649.8 | 1853.0 | 2304.8 | 3452.2 | 3970.0 | 4020.7 | 4041.1 | 4142.6 | 4249.2 | 4284.7 |
| 37.5° | 451.8 | 578.7 | 1741.3 | 2208.4 | 3406.5 | 3873.5 | 3909.1 | 3944.6 | 4102.0 | 4228.9 | 4269.5 |
| 40° | 406.1 | 517.8 | 1609.3 | 2101.8 | 3335.4 | 3756.8 | 3787.2 | 3843.1 | 4051.2 | 4198.4 | 4239.0 |
| 42.5° | 370.6 | 467.1 | 1467.2 | 1990.1 | 3244.0 | 3624.8 | 3670.5 | 3751.7 | 3990.3 | 4147.7 | 4193.4 |
| 45° | 340.1 | 416.3 | 1314.9 | 1837.8 | 3127.2 | 3487.7 | 3553.7 | 3665.4 | 3919.2 | 4071.5 | 4112.1 |
| 47.5° | 309.7 | 380.8 | 1157.5 | 1680.4 | 3000.3 | 3350.6 | 3436.9 | 3563.8 | 3822.8 | 3970.0 | 4005.5 |
| 50° | 284.3 | 345.2 | 1000.1 | 1512.9 | 2863.3 | 3203.4 | 3304.9 | 3436.9 | 3700.9 | 3838.0 | 3883.7 |
| 52.5° | 264.0 | 314.8 | 852.9 | 1345.3 | 2705.9 | 3051.1 | 3167.9 | 3304.9 | 3553.7 | 3685.7 | 3716.1 |
| 55° | 243.7 | 289.4 | 726.0 | 1167.6 | 2543.4 | 2888.6 | 3015.6 | 3147.6 | 3391.2 | 3502.9 | 3523.2 |
| 57.5° | 233.5 | 269.1 | 619.4 | 1000.1 | 2370.8 | 2705.9 | 2848.0 | 2969.9 | 3198.3 | 3284.6 | 3304.9 |
| 60° | 218.3 | 253.8 | 538.1 | 858.0 | 2183.0 | 2533.3 | 2655.1 | 2777.0 | 2969.9 | 3040.9 | 3056.2 |
| 62.5° | 203.1 | 243.7 | 477.2 | 720.9 | 1990.1 | 2330.2 | 2452.0 | 2563.7 | 2726.2 | 2777.0 | 2797.3 |
| 65° | 192.9 | 233.5 | 431.5 | 619.4 | 1792.1 | 2117.0 | 2238.8 | 2335.3 | 2467.3 | 2518.0 | 2528.2 |
| 67.5° | 182.8 | 223.4 | 396.0 | 533.1 | 1594.1 | 1903.8 | 1995.1 | 2086.5 | 2188.1 | 2238.8 | 2243.9 |
| 70° | 167.5 | 213.2 | 365.5 | 472.1 | 1391.0 | 1660.1 | 1736.2 | 1832.7 | 1913.9 | 1939.3 | 1954.5 |
| 72.5° | 157.4 | 198.0 | 345.2 | 426.4 | 1182.9 | 1426.6 | 1497.6 | 1553.5 | 1624.5 | 1649.9 | 1649.9 |
| 75° | 142.1 | 177.7 | 324.9 | 380.8 | 969.6 | 1167.6 | 1228.6 | 1284.4 | 1340.2 | 1350.4 | 1335.2 |
| 77.5° | 126.9 | 157.4 | 279.2 | 319.8 | 756.4 | 924.0 | 974.7 | 1005.2 | 1050.9 | 1061.0 | 1066.1 |
| 80° | 106.6 | 137.1 | 218.3 | 248.8 | 548.3 | 680.3 | 715.8 | 741.2 | 781.8 | 781.8 | 792.0 |
| 82.5° | 81.2 | 106.6 | 157.4 | 177.7 | 370.6 | 467.1 | 497.5 | 512.7 | 538.1 | 538.1 | 538.1 |
| 85° | 50.8 | 66.0 | 101.5 | 116.8 | 223.4 | 284.3 | 304.6 | 309.7 | 330.0 | 335.1 | 335.1 |
| 87.5° | 25.4 | 35.5 | 66.0 | 71.1 | 116.8 | 147.2 | 147.2 | 157.4 | 157.4 | 152.3 | 147.2 |
| 90° | 15.5 | 27.9 | 40.4 | 43.5 | 68.3 | 101.4 | 118.0 | 104.9 | 78.7 | 59.0 | 59.0 |
| 92.5° | 62.1 | 167.7 | 273.4 | 299.8 | 421.5 | 583.7 | 664.8 | 582.6 | 418.3 | 295.1 | 283.4 |
| 95° | 149.1 | 342.4 | 535.7 | 584.0 | 1037.0 | 1641.1 | 1943.1 | 1733.9 | 1315.6 | 1001.9 | 966.3 |
| 97.5° | 257.8 | 428.3 | 598.9 | 641.5 | 1396.9 | 2404.1 | 2907.7 | 2775.5 | 2511.1 | 2312.8 | 2245.1 |
| 100° | 341.7 | 496.4 | 651.0 | 689.7 | 1527.9 | 2645.6 | 3204.4 | 3214.1 | 3233.4 | 3247.9 | 3167.3 |
| 102.5° | 413.2 | 557.5 | 701.7 | 737.8 | 1588.0 | 2721.5 | 3288.3 | 3456.7 | 3793.6 | 4046.3 | 3977.3 |
| 105° | 534.3 | 656.5 | 778.7 | 809.3 | 1632.5 | 2730.1 | 3278.9 | 3656.5 | 4411.8 | 4978.2 | 4941.1 |
| 107.5° | 658.6 | 772.5 | 886.4 | 914.9 | 1640.8 | 2608.7 | 3092.6 | 3619.3 | 4672.7 | 5462.8 | 5471.8 |
| 110° | 742.5 | 845.3 | 948.2 | 973.9 | 1628.3 | 2500.9 | 2937.2 | 3526.1 | 4703.8 | 5587.1 | 5625.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 824.8 | 922.8 | 1020.8 | 1045.3 | 1628.8 | 2406.9 | 2795.9 | 3398.6 | 4603.9 | 5507.9 | 5567.3 |
| 115° | 949.0 | 1039.4 | 1129.9 | 1152.5 | 1643.9 | 2299.0 | 2626.6 | 3207.2 | 4368.3 | 5239.2 | 5321.5 |
| 117.5° | 1071.8 | 1153.9 | 1236.1 | 1256.6 | 1674.4 | 2231.5 | 2510.1 | 3034.1 | 4082.0 | 4867.9 | 4959.2 |
| 120° | 1143.2 | 1220.5 | 1297.9 | 1317.2 | 1699.3 | 2208.8 | 2463.5 | 2942.3 | 3899.8 | 4617.9 | 4706.6 |
| 122.5° | 1213.1 | 1291.1 | 1369.1 | 1388.6 | 1735.0 | 2196.9 | 2427.8 | 2858.9 | 3721.1 | 4367.8 | 4455.3 |
| 125° | 1320.3 | 1391.4 | 1462.5 | 1480.3 | 1783.2 | 2187.0 | 2388.9 | 2755.1 | 3487.6 | 4036.9 | 4117.5 |
| 127.5° | 1407.3 | 1479.1 | 1550.9 | 1568.8 | 1831.3 | 2181.3 | 2356.3 | 2670.7 | 3299.6 | 3771.3 | 3839.3 |
| 130° | 1453.9 | 1531.2 | 1608.5 | 1627.8 | 1866.5 | 2184.8 | 2343.9 | 2623.8 | 3183.7 | 3603.6 | 3666.4 |
| 132.5° | 1502.0 | 1579.3 | 1656.7 | 1676.0 | 1895.0 | 2187.0 | 2333.0 | 2583.6 | 3084.8 | 3460.7 | 3517.0 |
| 135° | 1573.5 | 1643.9 | 1714.3 | 1731.9 | 1926.1 | 2185.0 | 2314.4 | 2524.3 | 2944.0 | 3258.8 | 3307.3 |
| 137.5° | 1646.5 | 1716.2 | 1785.9 | 1803.3 | 1972.6 | 2198.4 | 2311.3 | 2488.7 | 2843.5 | 3109.6 | 3149.3 |
| 140° | 1707.0 | 1771.2 | 1835.4 | 1851.5 | 2001.1 | 2200.6 | 2300.4 | 2453.6 | 2760.1 | 2990.0 | 3027.1 |
| 142.5° | 1753.6 | 1813.0 | 1872.4 | 1887.2 | 2024.9 | 2208.6 | 2300.4 | 2435.0 | 2704.3 | 2906.2 | 2938.1 |
| 145° | 1825.1 | 1876.9 | 1928.7 | 1941.6 | 2056.0 | 2208.6 | 2284.9 | 2395.0 | 2615.2 | 2780.3 | 2804.5 |
| 147.5° | 1896.5 | 1946.9 | 1997.3 | 2009.9 | 2101.6 | 2223.8 | 2284.9 | 2371.5 | 2544.8 | 2674.7 | 2694.7 |
| 150° | 1943.1 | 1988.7 | 2034.3 | 2045.7 | 2125.4 | 2231.7 | 2284.9 | 2358.1 | 2504.4 | 2614.1 | 2630.3 |
| 152.5° | 1991.3 | 2025.8 | 2060.4 | 2069.0 | 2141.0 | 2236.9 | 2284.9 | 2347.4 | 2472.3 | 2566.0 | 2578.3 |
| 155° | 2062.7 | 2088.3 | 2113.8 | 2120.2 | 2175.1 | 2248.3 | 2284.9 | 2334.6 | 2434.0 | 2508.5 | 2516.6 |
| 157.5° | 2115.6 | 2140.4 | 2165.3 | 2171.5 | 2209.3 | 2259.7 | 2284.9 | 2323.5 | 2400.8 | 2458.8 | 2464.5 |
| 160° | 2151.3 | 2170.6 | 2190.0 | 2194.8 | 2224.8 | 2264.9 | 2284.9 | 2318.0 | 2384.3 | 2434.0 | 2437.3 |
| 162.5° | 2187.0 | 2201.5 | 2216.0 | 2219.6 | 2241.4 | 2270.4 | 2284.9 | 2312.9 | 2368.8 | 2410.7 | 2413.8 |
| 165° | 2225.8 | 2238.9 | 2252.0 | 2255.3 | 2265.2 | 2278.3 | 2284.9 | 2304.9 | 2344.9 | 2374.9 | 2378.2 |
| 167.5° | 2261.6 | 2267.8 | 2274.0 | 2275.5 | 2283.8 | 2294.9 | 2300.4 | 2313.5 | 2339.7 | 2359.4 | 2360.8 |
| 170° | 2284.9 | 2291.1 | 2297.3 | 2298.8 | 2299.3 | 2300.0 | 2300.4 | 2313.5 | 2339.7 | 2359.4 | 2359.4 |
| 172.5° | 2297.3 | 2298.7 | 2300.1 | 2300.4 | 2300.4 | 2300.4 | 2300.4 | 2310.8 | 2331.5 | 2347.0 | 2345.8 |
| 175° | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2309.7 | 2303.5 | 2300.4 | 2307.0 | 2320.1 | 2329.9 | 2329.9 |
| 177.5° | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2310.8 | 2305.9 | 2303.5 | 2308.7 | 2319.0 | 2326.8 | 2325.4 |
| 180° | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2314.4 | 2314.4 |



TEST NUMBER: P938113

CATALOG NUMBER: SQ4-FB-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1578.9 | 1578.9 |
| 2.5° | 1685.5 | 1675.3 |
| 5° | 2167.8 | 2177.9 |
| 7.5° | 2919.1 | 2914.0 |
| 10° | 3629.8 | 3675.5 |
| 12.5° | 4147.7 | 4157.8 |
| 15° | 4462.4 | 4482.7 |
| 17.5° | 4584.3 | 4589.3 |
| 20° | 4589.3 | 4579.2 |
| 22.5° | 4533.5 | 4523.3 |
| 25° | 4467.5 | 4462.4 |
| 27.5° | 4406.6 | 4411.7 |
| 30° | 4381.2 | 4396.4 |
| 32.5° | 4381.2 | 4406.6 |
| 35° | 4391.3 | 4416.7 |
| 37.5° | 4386.3 | 4416.7 |
| 40° | 4366.0 | 4401.5 |
| 42.5° | 4310.1 | 4335.5 |
| 45° | 4223.8 | 4254.3 |
| 47.5° | 4112.1 | 4132.4 |
| 50° | 3970.0 | 3990.3 |
| 52.5° | 3792.3 | 3797.4 |
| 55° | 3579.1 | 3599.4 |
| 57.5° | 3350.6 | 3355.7 |
| 60° | 3096.8 | 3112.0 |
| 62.5° | 2827.7 | 2827.7 |
| 65° | 2543.4 | 2553.6 |
| 67.5° | 2249.0 | 2274.4 |
| 70° | 1949.5 | 1954.5 |
| 72.5° | 1655.0 | 1655.0 |
| 75° | 1350.4 | 1355.5 |
| 77.5° | 1061.0 | 1061.0 |
| 80° | 786.9 | 792.0 |
| 82.5° | 543.2 | 553.4 |
| 85° | 340.1 | 340.1 |
| 87.5° | 157.4 | 142.1 |
| 90° | 59.0 | 59.0 |
| 92.5° | 236.4 | 189.5 |
| 95° | 824.1 | 681.9 |
| 97.5° | 1974.5 | 1703.9 |
| 100° | 2844.9 | 2522.5 |
| 102.5° | 3701.1 | 3425.0 |
| 105° | 4792.7 | 4644.3 |
| 107.5° | 5507.7 | 5543.6 |
| 110° | 5780.4 | 5935.0 |



TEST NUMBER: P938113

CATALOG NUMBER: SQ4-FB-125U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 5804.7 | 6042.2 |
| 115° | 5650.8 | 5980.1 |
| 117.5° | 5324.4 | 5689.6 |
| 120° | 5061.4 | 5416.2 |
| 122.5° | 4805.3 | 5155.3 |
| 125° | 4439.9 | 4762.3 |
| 127.5° | 4111.3 | 4383.3 |
| 130° | 3917.7 | 4169.0 |
| 132.5° | 3742.0 | 3967.0 |
| 135° | 3501.2 | 3695.2 |
| 137.5° | 3308.1 | 3466.9 |
| 140° | 3175.6 | 3324.0 |
| 142.5° | 3065.8 | 3193.5 |
| 145° | 2901.1 | 2997.8 |
| 147.5° | 2774.8 | 2854.9 |
| 150° | 2695.3 | 2760.2 |
| 152.5° | 2627.3 | 2676.3 |
| 155° | 2549.1 | 2581.5 |
| 157.5° | 2487.3 | 2510.1 |
| 160° | 2450.4 | 2463.5 |
| 162.5° | 2426.2 | 2438.6 |
| 165° | 2391.3 | 2404.5 |
| 167.5° | 2366.3 | 2371.8 |
| 170° | 2359.4 | 2359.4 |
| 172.5° | 2340.9 | 2336.1 |
| 175° | 2329.9 | 2329.9 |
| 177.5° | 2319.9 | 2314.4 |
| 180° | 2314.4 | 2314.4 |



TEST NUMBER: P938113
 CATALOG NUMBER: SQ4-FB-125U-125D-835-1D-UNV-STD-W-12

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 | 6.04 | 6.89 | 7.03 | 7.90 | 9.23 | 19.23 | 20.08 | 20.22 | 21.09 | 22.43 |
| | 3H | 6.74 | 7.50 | 7.74 | 8.52 | 9.88 | 21.07 | 21.84 | 22.07 | 22.85 | 24.21 |
| | 4H | 7.04 | 7.76 | 8.05 | 8.78 | 10.15 | 21.72 | 22.44 | 22.73 | 23.47 | 24.83 |
| | 6H | 7.29 | 7.96 | 8.31 | 8.98 | 10.36 | 22.15 | 22.82 | 23.18 | 23.85 | 25.23 |
| | 8H | 7.35 | 7.99 | 8.39 | 9.03 | 10.41 | 22.28 | 22.91 | 23.31 | 23.96 | 25.33 |
| | 12H | 7.37 | 7.98 | 8.41 | 9.01 | 10.42 | 22.35 | 22.95 | 23.38 | 23.99 | 25.39 |
| 4H | 2H | 13.26 | 13.98 | 14.28 | 15.00 | 16.37 | 19.50 | 20.22 | 20.52 | 21.25 | 22.61 |
| | 3H | 14.82 | 15.43 | 15.85 | 16.48 | 17.86 | 21.55 | 22.16 | 22.58 | 23.21 | 24.59 |
| | 4H | 14.92 | 15.47 | 15.96 | 16.51 | 17.92 | 22.32 | 22.88 | 23.36 | 23.92 | 25.32 |
| | 6H | 14.93 | 15.41 | 15.98 | 16.47 | 17.87 | 22.86 | 23.34 | 23.91 | 24.41 | 25.81 |
| | 8H | 14.90 | 15.35 | 15.95 | 16.41 | 17.82 | 23.03 | 23.47 | 24.08 | 24.53 | 25.95 |
| | 12H | 14.86 | 15.27 | 15.93 | 16.34 | 17.76 | 23.12 | 23.53 | 24.19 | 24.60 | 26.02 |
| 8H | 4H | 16.36 | 16.81 | 17.41 | 17.87 | 19.29 | 22.38 | 22.83 | 23.43 | 23.88 | 25.30 |
| | 6H | 16.61 | 16.98 | 17.68 | 18.08 | 19.49 | 23.01 | 23.38 | 24.09 | 24.48 | 25.89 |
| | 8H | 16.62 | 16.95 | 17.70 | 18.03 | 19.46 | 23.23 | 23.56 | 24.32 | 24.64 | 26.07 |
| | 12H | 16.59 | 16.88 | 17.68 | 17.96 | 19.43 | 23.38 | 23.67 | 24.47 | 24.75 | 26.22 |
| 12H | 4H | 16.51 | 16.91 | 17.58 | 17.99 | 19.41 | 22.33 | 22.74 | 23.40 | 23.81 | 25.23 |
| | 6H | 16.87 | 17.19 | 17.95 | 18.28 | 19.71 | 22.99 | 23.32 | 24.08 | 24.40 | 25.84 |
| | 8H | 16.93 | 17.22 | 18.02 | 18.30 | 19.77 | 23.23 | 23.51 | 24.31 | 24.59 | 26.06 |