

## Indoor Distribution Test Report

### Spectrum Lighting Inc.

994 Jefferson Street  
Fall River, MA 02721  
+1.508.678.2303

### Spectrum Lighting Photometric Lab

Luminaire

C0614LM137L35KWDNL

6" Round x 12" High Cylinder Luminaire

Test Number

SP-R23-M

Test Date

9/10/2025

The results contained in this report pertain only to this IES file.

## Summary of Results

### Power

|             |         |
|-------------|---------|
| Input Watts | 96.67 W |
|-------------|---------|

### Lumen Output

|               |            |
|---------------|------------|
| Output Lumens | 9167       |
| Efficacy      | 94.83 lm/W |

### Luminous Dimensions

|                 |      |
|-----------------|------|
| 0° - 180° Size  | -0.5 |
| 90° - 270° Size | -0.5 |
| Height          | 0    |

### Spacing Criterion

|                           |      |
|---------------------------|------|
| Two luminaires, plane 0°  | 0.95 |
| Two luminaires, plane 90° | 0.94 |
| Four luminaires           | 0.99 |

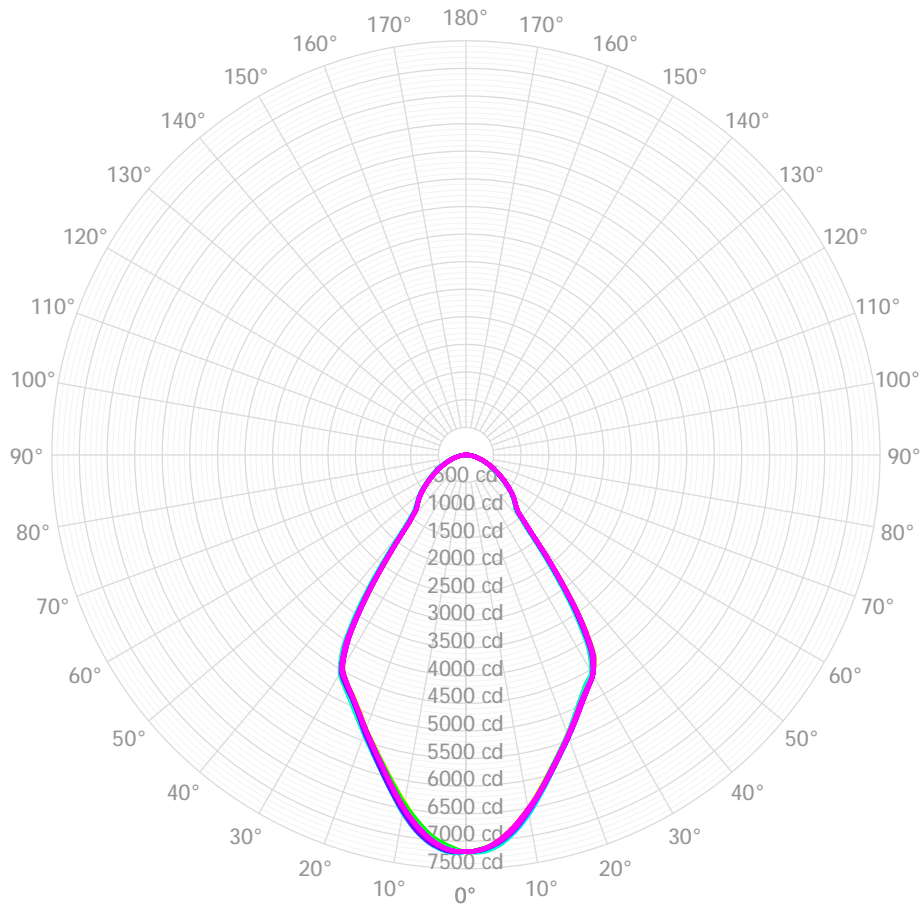
### Full Beam Angle

|            |     |
|------------|-----|
| 0° - 180°  | 69° |
| 90° - 270° | 68° |

## IES File Header Contents

| Keyword      | Value  |
|--------------|--|
| TEST         | SP-R23-M   |
| TESTLAB      | Spectrum Lighting Photometric Lab. VLS-245-981                 |
| MANUFAC      | Spectrum Lighting  |
| TESTDATE     | 9/10/2025  |
| ISSUEDATE    | 9/10/2025  |
| LUMCAT       | C0614LM137L35KWDNL   |
| LUMINAIRE    | 6" Round x 12" High Cylinder Luminaire                         |
| DISTRIBUTION | Beam Angle 68.7  |
| OTHER        | CCT 3417 CRI 81.3 R9 3.9                                       |
| OTHER        | Total Luminaire wattage is approximate                         |
| OTHER        | This report is prepared by Spectrum Lighting scaled from 137L  |
| _CRI         | 80+  |
| _CCTMULT     | 30K x 0.95, 40K x 1.02, 30HK x 0.744, 35HK x 0.73, 40HK x 0.74 |
| _LAMPMULT    | 120L x 1.14, 137L x 1.31                                       |

### Candela Polar Plot



### Zonal Lumen Summary

| Zone            | Lumens  | % Fixture | Zone              | Lumens  | % Fixture |
|-----------------|---------|-----------|-------------------|---------|-----------|
| 0.00° - 10.00°  | 662.84  | 7.23%     | 90.00° - 100.00°  | 1.59    | 0.02%     |
| 10.00° - 20.00° | 1656.98 | 18.08%    | 100.00° - 110.00° | 1.52    | 0.02%     |
| 20.00° - 30.00° | 2265.15 | 24.71%    | 100.00° - 120.00° | 3.30    | 0.04%     |
| 30.00° - 40.00° | 2013.83 | 21.97%    | 120.00° - 130.00° | 1.83    | 0.02%     |
| 40.00° - 50.00° | 993.17  | 10.83%    | 130.00° - 140.00° | 1.88    | 0.02%     |
| 50.00° - 60.00° | 763.04  | 8.32%     | 140.00° - 150.00° | 1.82    | 0.02%     |
| 60.00° - 70.00° | 493.12  | 5.38%     | 150.00° - 160.00° | 1.41    | 0.02%     |
| 70.00° - 80.00° | 247.21  | 2.70%     | 160.00° - 170.00° | 0.96    | 0.01%     |
| 80.00° - 90.00° | 58.39   | 0.64%     | 170.00° - 180.00° | 0.33    | 0.00%     |
| 0.00° - 90.00°  | 9153.71 | 99.86%    | 0.00° - 180.00°   | 9166.85 | 100.00%   |

|         | 0.00°   | 2.50°   | 5.00°   | 7.50°   | 10.00°  | 12.50°  | 15.00°  | 17.50°  | 20.00°  | 22.50°  | 25.00°  | 27.50°  | 30.00°  | 32.50°  | 35.00°  | 37.50°  | 40.00°  | 42.50°  | 45.00°  |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.00°   | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 | 7191.80 |
| 2.50°   | 7149.25 | 7149.33 | 7149.41 | 7149.49 | 7149.56 | 7149.64 | 7149.72 | 7149.80 | 7149.87 | 7149.95 | 7148.54 | 7147.13 | 7145.71 | 7144.30 | 7142.89 | 7141.48 | 7140.06 | 7138.65 | 7137.24 |
| 5.00°   | 6996.68 | 7000.23 | 7003.79 | 7007.34 | 7010.89 | 7014.45 | 7018.00 | 7021.56 | 7025.11 | 7028.66 | 7027.65 | 7026.63 | 7025.61 | 7024.60 | 7023.58 | 7022.57 | 7021.55 | 7020.53 | 7019.51 |
| 7.50°   | 6771.59 | 6777.76 | 6783.93 | 6790.10 | 6796.27 | 6802.44 | 6808.61 | 6814.78 | 6820.95 | 6827.12 | 6824.69 | 6822.26 | 6819.83 | 6817.39 | 6814.96 | 6812.53 | 6810.10 | 6807.66 | 6805.23 |
| 10.00°  | 6502.22 | 6507.89 | 6513.55 | 6519.21 | 6524.88 | 6530.54 | 6536.20 | 6541.87 | 6547.53 | 6553.19 | 6549.13 | 6545.08 | 6541.02 | 6536.96 | 6532.91 | 6528.85 | 6524.79 | 6520.74 | 6516.68 |
| 12.50°  | 6218.97 | 6222.19 | 6225.42 | 6228.64 | 6231.87 | 6235.10 | 6238.32 | 6241.55 | 6244.77 | 6248.00 | 6242.73 | 6237.46 | 6232.19 | 6226.92 | 6221.65 | 6216.38 | 6211.11 | 6205.84 | 6200.57 |
| 15.00°  | 5927.07 | 5929.02 | 5930.98 | 5932.93 | 5934.88 | 5936.83 | 5938.78 | 5940.73 | 5942.68 | 5944.63 | 5940.76 | 5936.89 | 5933.02 | 5929.15 | 5925.28 | 5921.40 | 5917.53 | 5913.66 | 5909.79 |
| 17.50°  | 5653.64 | 5655.83 | 5658.02 | 5660.21 | 5662.40 | 5664.59 | 5666.78 | 5668.97 | 5671.16 | 5673.35 | 5669.29 | 5665.23 | 5661.17 | 5657.11 | 5653.05 | 5648.99 | 5644.93 | 5640.87 | 5636.80 |
| 20.00°  | 5400.12 | 5403.01 | 5405.91 | 5408.80 | 5411.70 | 5414.59 | 5417.49 | 5420.39 | 5423.28 | 5426.18 | 5421.39 | 5416.59 | 5411.80 | 5407.00 | 5402.21 | 5397.42 | 5392.62 | 5387.83 | 5383.03 |
| 22.50°  | 5157.36 | 5161.10 | 5164.84 | 5168.58 | 5172.32 | 5176.06 | 5179.80 | 5183.54 | 5187.28 | 5191.02 | 5185.99 | 5180.97 | 5175.94 | 5170.91 | 5165.89 | 5160.86 | 5155.83 | 5150.81 | 5145.78 |
| 25.00°  | 4929.14 | 4931.84 | 4934.53 | 4937.23 | 4939.92 | 4942.62 | 4945.31 | 4948.01 | 4950.70 | 4953.40 | 4950.34 | 4947.27 | 4944.21 | 4941.15 | 4938.09 | 4935.03 | 4931.97 | 4928.91 | 4925.84 |
| 27.50°  | 4755.30 | 4757.78 | 4760.27 | 4762.76 | 4765.25 | 4767.74 | 4770.23 | 4772.72 | 4775.20 | 4777.69 | 4772.88 | 4768.07 | 4763.26 | 4758.44 | 4753.63 | 4748.82 | 4744.01 | 4739.19 | 4734.38 |
| 30.00°  | 4589.27 | 4590.67 | 4592.06 | 4593.45 | 4594.85 | 4596.24 | 4597.63 | 4599.03 | 4600.42 | 4601.81 | 4597.92 | 4594.02 | 4590.13 | 4586.23 | 4582.34 | 4578.45 | 4574.55 | 4570.66 | 4566.76 |
| 32.50°  | 4232.05 | 4244.85 | 4257.66 | 4270.46 | 4283.27 | 4296.07 | 4308.87 | 4321.68 | 4334.48 | 4347.29 | 4331.39 | 4315.48 | 4299.58 | 4283.68 | 4267.78 | 4251.88 | 4235.98 | 4220.07 | 4204.17 |
| 35.00°  | 3542.07 | 3555.00 | 3567.94 | 3580.87 | 3593.80 | 3606.74 | 3619.67 | 3632.60 | 3645.54 | 3658.47 | 3639.02 | 3619.57 | 3600.13 | 3580.68 | 3561.23 | 3541.78 | 3522.34 | 3502.89 | 3483.44 |
| 37.50°  | 2647.55 | 2657.78 | 2668.01 | 2678.23 | 2688.46 | 2698.69 | 2708.92 | 2719.15 | 2729.38 | 2739.60 | 2722.86 | 2706.11 | 2689.37 | 2672.62 | 2655.88 | 2639.13 | 2622.38 | 2605.64 | 2588.89 |
| 40.00°  | 1843.63 | 1847.17 | 1850.72 | 1854.26 | 1857.81 | 1861.36 | 1864.90 | 1868.45 | 1872.00 | 1875.54 | 1866.10 | 1856.66 | 1847.22 | 1837.78 | 1828.34 | 1818.90 | 1809.46 | 1800.02 | 1790.58 |
| 42.50°  | 1414.96 | 1411.69 | 1408.43 | 1405.17 | 1401.91 | 1398.64 | 1395.38 | 1392.12 | 1388.86 | 1385.60 | 1386.39 | 1387.18 | 1387.97 | 1388.77 | 1389.56 | 1390.35 | 1391.15 | 1391.94 | 1392.73 |
| 45.00°  | 1273.40 | 1273.78 | 1274.16 | 1274.54 | 1274.91 | 1275.29 | 1275.67 | 1276.05 | 1276.42 | 1276.80 | 1275.69 | 1274.57 | 1273.45 | 1272.34 | 1271.22 | 1270.11 | 1268.99 | 1267.88 | 1266.76 |
| 47.50°  | 1186.81 | 1187.67 | 1188.53 | 1189.39 | 1190.25 | 1191.11 | 1191.96 | 1192.83 | 1193.68 | 1194.55 | 1192.60 | 1190.65 | 1188.71 | 1186.76 | 1184.82 | 1182.87 | 1180.93 | 1178.98 | 1177.03 |
| 50.00°  | 1089.25 | 1090.13 | 1091.01 | 1091.89 | 1092.77 | 1093.65 | 1094.53 | 1095.41 | 1096.29 | 1097.17 | 1095.39 | 1093.62 | 1091.85 | 1090.08 | 1088.31 | 1086.53 | 1084.76 | 1082.99 | 1081.21 |
| 52.50°  | 979.99  | 981.18  | 982.37  | 983.56  | 984.74  | 985.93  | 987.12  | 988.31  | 989.50  | 990.69  | 988.47  | 986.26  | 984.05  | 981.83  | 979.62  | 977.40  | 975.19  | 972.97  | 970.75  |
| 55.00°  | 874.12  | 875.28  | 876.44  | 877.60  | 878.76  | 879.92  | 881.08  | 882.24  | 883.40  | 884.56  | 882.43  | 880.31  | 878.19  | 876.07  | 873.95  | 871.83  | 869.71  | 867.58  | 865.45  |
| 57.50°  | 773.16  | 773.85  | 774.55  | 775.24  | 775.94  | 776.63  | 777.32  | 778.02  | 778.71  | 779.41  | 777.85  | 776.30  | 774.75  | 773.20  | 771.64  | 770.09  | 768.54  | 766.99  | 765.44  |
| 60.00°  | 679.24  | 680.24  | 681.25  | 682.26  | 683.26  | 684.27  | 685.27  | 686.28  | 687.28  | 688.29  | 686.63  | 684.97  | 683.31  | 681.65  | 679.99  | 678.33  | 676.67  | 675.01  | 673.35  |
| 62.50°  | 590.66  | 591.61  | 592.56  | 593.51  | 594.47  | 595.42  | 596.37  | 597.32  | 598.27  | 599.22  | 597.56  | 595.91  | 594.25  | 592.60  | 590.94  | 589.28  | 587.63  | 585.97  | 584.31  |
| 65.00°  | 514.03  | 514.74  | 515.44  | 516.15  | 516.86  | 517.57  | 518.27  | 518.98  | 519.69  | 520.39  | 519.04  | 517.70  | 516.35  | 515.00  | 513.65  | 512.30  | 510.95  | 509.60  | 508.25  |
| 67.50°  | 438.40  | 439.24  | 440.09  | 440.93  | 441.78  | 442.62  | 443.47  | 444.31  | 445.16  | 446.00  | 444.16  | 442.33  | 440.49  | 438.65  | 436.81  | 434.97  | 433.13  | 431.30  | 429.46  |
| 70.00°  | 369.42  | 369.81  | 370.21  | 370.60  | 371.00  | 371.39  | 371.79  | 372.18  | 372.57  | 372.97  | 371.62  | 370.27  | 368.91  | 367.56  | 366.21  | 364.86  | 363.51  | 362.16  | 360.81  |
| 72.50°  | 304.73  | 305.25  | 305.77  | 306.29  | 306.80  | 307.32  | 307.84  | 308.36  | 308.88  | 309.40  | 308.26  | 307.13  | 306.00  | 304.86  | 303.73  | 302.60  | 301.47  | 300.33  | 299.20  |
| 75.00°  | 242.42  | 242.91  | 243.40  | 243.89  | 244.38  | 244.86  | 245.35  | 245.84  | 246.33  | 246.82  | 245.58  | 244.34  | 243.09  | 241.85  | 240.61  | 239.37  | 238.12  | 236.88  | 235.63  |
| 77.50°  | 190.98  | 191.03  | 191.07  | 191.11  | 191.16  | 191.20  | 191.24  | 191.29  | 191.33  | 191.37  | 190.51  | 189.66  | 188.80  | 187.94  | 187.08  | 186.22  | 185.36  | 184.50  | 183.64  |
| 80.00°  | 142.06  | 142.54  | 143.03  | 143.51  | 143.99  | 144.47  | 144.96  | 145.44  | 145.92  | 146.40  | 145.43  | 144.45  | 143.48  | 142.50  | 141.52  | 140.55  | 139.57  | 138.60  | 137.62  |
| 82.50°  | 93.90   | 94.62   | 95.34   | 96.06   | 96.79   | 97.51   | 98.23   | 98.95   | 99.67   | 100.39  | 99.14   | 97.89   | 96.65   | 95.40   | 94.15   | 92.90   | 91.65   | 90.40   | 89.15   |
| 85.00°  | 61.16   | 61.16   | 61.16   | 61.15   | 61.15   | 61.15   | 61.14   | 61.14   | 61.13   | 61.13   | 60.39   | 59.65   | 58.91   | 58.17   | 57.44   | 56.70   | 55.96   | 55.22   | 54.48   |
| 87.50°  | 21.77   | 22.23   | 22.70   | 23.17   | 23.63   | 24.10   | 24.57   | 25.03   | 25.50   | 25.97   | 24.90   | 23.83   | 22.76   | 21.69   | 20.63   | 19.56   | 18.49   | 17.42   | 16.35   |
| 90.00°  | 3.13    | 3.24    | 3.35    | 3.46    | 3.57    | 3.67    | 3.78    | 3.89    | 4.00    | 4.11    | 3.82    | 3.53    | 3.24    | 2.95    | 2.66    | 2.37    | 2.08    | 1.79    | 1.50    |
| 92.50°  | 1.98    | 1.93    | 1.89    | 1.84    | 1.80    | 1.75    | 1.70    | 1.66    | 1.61    | 1.57    | 1.52    | 1.47    | 1.43    | 1.38    | 1.34    | 1.29    | 1.25    | 1.20    | 1.15    |
| 95.00°  | 1.70    | 1.68    | 1.66    | 1.63    | 1.61    | 1.59    | 1.56    | 1.54    | 1.52    | 1.50    | 1.44    | 1.38    | 1.32    | 1.25    | 1.20    | 1.14    | 1.08    | 1.02    | 0.96    |
| 97.50°  | 1.44    | 1.48    | 1.51    | 1.54    | 1.57    | 1.60    | 1.63    | 1.67    | 1.70    | 1.73    | 1.65    | 1.56    | 1.48    | 1.40    | 1.31    | 1.23    | 1.15    | 1.06    | 0.97    |
| 100.00° | 2.17    | 2.14    | 2.11    | 2.08    | 2.05    | 2.02    | 1.99    | 1.96    | 1.93    | 1.90    | 1.82    | 1.74    | 1.66    | 1.59    | 1.51    | 1.43    | 1.35    | 1.28    | 1.20    |
| 102.50° | 2.04    | 2.03    | 2.01    | 1.99    | 1.97    | 1.95    | 1.93    | 1.92    | 1.90    | 1.88    | 1.83    | 1.77    | 1.72    | 1.67    | 1.61    | 1.56    | 1.51    | 1.45    | 1.39    |
| 105.00° | 1.46    | 1.49    | 1.52    | 1.55    | 1.58    | 1.61    | 1.64    | 1.68    | 1.71    | 1.74    | 1.72    | 1.71    | 1.69    | 1.68    | 1.66    | 1.65    | 1.63    | 1.62    | 1.60    |
| 107.50° | 1.81    | 1.78    | 1.75    | 1.72    | 1.68    | 1.65    | 1.62    | 1.59    | 1.56    | 1.53    | 1.57    | 1.60    | 1.63    | 1.67    | 1.70    | 1.74    | 1.77    | 1.81    | 1.84    |

### Coefficients of Utilization – Zonal Cavity Method

Values are lumens delivered to the workplane.

|     |     |       |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |
|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| RCR | pfc | 20%   | 20%   | 20%   | 20%   | 20%   | 20%   | 20%   | 20%   | 20%   | 20%   | 20%   | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 0%   |
|     | pcc | 80%   | 80%   | 80%   | 80%   | 70%   | 70%   | 70%   | 70%   | 50%   | 50%   | 50%   | 30%  | 30%  | 30%  | 10%  | 10%  | 10%  | 0%   |
|     | pw  | 70%   | 50%   | 30%   | 10%   | 70%   | 50%   | 30%   | 10%   | 50%   | 30%   | 10%   | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 30%  |
|     | 0   | 10910 | 10910 | 10910 | 10910 | 10655 | 10655 | 10655 | 10655 | 10178 | 10178 | 10178 | 9742 | 9742 | 9742 | 9342 | 9342 | 9342 | 9154 |
|     | 1   | 10218 | 9887  | 9590  | 9322  | 9981  | 9683  | 9415  | 9171  | 9302  | 9083  | 8883  | 8951 | 8776 | 8613 | 8628 | 8489 | 8359 | 8314 |
|     | 2   | 9529  | 8948  | 8468  | 8065  | 9308  | 8783  | 8343  | 7971  | 8471  | 8105  | 7789  | 8184 | 7881 | 7616 | 7918 | 7671 | 7450 | 7512 |
|     | 3   | 8891  | 8136  | 7551  | 7085  | 8687  | 7999  | 7459  | 7024  | 7742  | 7283  | 6905  | 7504 | 7116 | 6790 | 7283 | 6958 | 6679 | 6815 |
|     | 4   | 8310  | 7435  | 6794  | 6305  | 8123  | 7321  | 6725  | 6264  | 7107  | 6592  | 6184  | 6909 | 6465 | 6105 | 6724 | 6344 | 6029 | 6216 |
|     | 5   | 7781  | 6828  | 6162  | 5671  | 7611  | 6733  | 6109  | 5642  | 6554  | 6006  | 5586  | 6386 | 5907 | 5531 | 6230 | 5813 | 5478 | 5699 |
|     | 6   | 7302  | 6299  | 5627  | 5144  | 7147  | 6219  | 5585  | 5124  | 6067  | 5504  | 5083  | 5926 | 5426 | 5044 | 5793 | 5351 | 5006 | 5250 |
|     | 7   | 6866  | 5836  | 5168  | 4700  | 6726  | 5768  | 5135  | 4685  | 5639  | 5070  | 4655  | 5517 | 5007 | 4627 | 5404 | 4947 | 4598 | 4858 |
|     | 8   | 6471  | 5428  | 4771  | 4320  | 6344  | 5369  | 4744  | 4309  | 5258  | 4691  | 4287  | 5154 | 4640 | 4265 | 5056 | 4591 | 4244 | 4512 |
|     | 9   | 6112  | 5066  | 4425  | 3992  | 5996  | 5015  | 4403  | 3983  | 4919  | 4359  | 3967  | 4829 | 4317 | 3950 | 4744 | 4277 | 3934 | 4206 |
|     | 10  | 5784  | 4743  | 4120  | 3706  | 5679  | 4700  | 4102  | 3699  | 4616  | 4066  | 3686  | 4538 | 4031 | 3673 | 4463 | 3997 | 3660 | 3934 |

### Cone of Light

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 5.5 ft     | 237.7 fc    | 7.5 ft        |
| 6.5 ft     | 170.2 fc    | 8.9 ft        |
| 7.5 ft     | 127.9 fc    | 10.2 ft       |
| 8.0 ft     | 112.4 fc    | 10.9 ft       |
| 10.0 ft    | 71.9 fc     | 13.7 ft       |
| 12.0 ft    | 49.9 fc     | 16.4 ft       |
| 14.0 ft    | 36.7 fc     | 19.1 ft       |
| 16.0 ft    | 28.1 fc     | 21.9 ft       |
| 20.0 ft    | 18.0 fc     | 27.3 ft       |
| 24.0 ft    | 12.5 fc     | 32.8 ft       |
| 28.0 ft    | 9.2 fc      | 38.3 ft       |

### Average Luminaire Luminance [cd/m²]

|        | 0.00°  | 45.00° | 90.00° |
|--------|--------|--------|--------|
| 0.00°  | 394256 | 394256 | 394256 |
| 45.00° | 98724  | 98209  | 97159  |
| 55.00° | 83545  | 82717  | 81079  |
| 65.00° | 66678  | 65928  | 64124  |
| 75.00° | 51346  | 49910  | 47565  |
| 85.00° | 38471  | 34267  | 28041  |

### UGR CIE 190:2010

|                     |     |                |      |      |      |      |                 |      |      |      |      |
|---------------------|-----|----------------|------|------|------|------|-----------------|------|------|------|------|
| Ceiling reflectance |     | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  | 0.7             | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall reflectance    |     | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  | 0.5             | 0.3  | 0.5  | 0.3  | 0.3  |
| Plane reflectance   |     | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  | 0.2             | 0.2  | 0.2  | 0.2  | 0.2  |
| Room dimensions     |     | Viewing C0-180 |      |      |      |      | Viewing C90-270 |      |      |      |      |
| 2H                  | 2H  | 25.5           | 26.8 | 25.9 | 27.1 | 27.4 | 25.1            | 26.4 | 25.4 | 26.7 | 27.0 |
|                     | 3H  | 26.9           | 28.0 | 27.2 | 28.3 | 28.7 | 26.4            | 27.5 | 26.8 | 27.9 | 28.2 |
|                     | 4H  | 27.3           | 28.4 | 27.7 | 28.7 | 29.1 | 26.8            | 27.9 | 27.3 | 28.3 | 28.7 |
|                     | 6H  | 27.6           | 28.6 | 28.1 | 29.0 | 29.4 | 27.1            | 28.1 | 27.6 | 28.5 | 28.9 |
|                     | 8H  | 27.7           | 28.6 | 28.2 | 29.0 | 29.5 | 27.2            | 28.2 | 27.7 | 28.5 | 29.0 |
|                     | 12H | 27.8           | 28.7 | 28.2 | 29.0 | 29.5 | 27.3            | 28.1 | 27.7 | 28.5 | 29.0 |
| 4H                  | 2H  | 25.9           | 27.0 | 26.3 | 27.3 | 27.7 | 25.5            | 26.6 | 25.9 | 26.9 | 27.3 |
|                     | 3H  | 27.5           | 28.4 | 27.9 | 28.8 | 29.2 | 27.0            | 27.9 | 27.4 | 28.3 | 28.7 |
|                     | 4H  | 28.1           | 28.8 | 28.5 | 29.3 | 29.7 | 27.6            | 28.3 | 28.0 | 28.8 | 29.2 |
|                     | 6H  | 28.5           | 29.2 | 29.0 | 29.6 | 30.1 | 27.9            | 28.6 | 28.4 | 29.1 | 29.5 |
|                     | 8H  | 28.6           | 29.3 | 29.1 | 29.7 | 30.2 | 28.0            | 28.7 | 28.5 | 29.1 | 29.6 |
|                     | 12H | 28.7           | 29.3 | 29.2 | 29.7 | 30.2 | 28.1            | 28.7 | 28.6 | 29.1 | 29.6 |
| 8H                  | 4H  | 28.2           | 28.9 | 28.7 | 29.3 | 29.8 | 27.7            | 28.3 | 28.2 | 28.8 | 29.3 |
|                     | 6H  | 28.8           | 29.3 | 29.3 | 29.8 | 30.3 | 28.2            | 28.7 | 28.7 | 29.2 | 29.7 |
|                     | 8H  | 29.0           | 29.4 | 29.5 | 29.9 | 30.4 | 28.3            | 28.8 | 28.9 | 29.3 | 29.8 |
|                     | 12H | 29.1           | 29.5 | 29.6 | 30.0 | 30.6 | 28.4            | 28.8 | 29.0 | 29.3 | 29.9 |
| 12H                 | 4H  | 28.2           | 28.8 | 28.7 | 29.3 | 29.7 | 27.7            | 28.3 | 28.2 | 28.7 | 29.2 |
|                     | 6H  | 28.8           | 29.3 | 29.3 | 29.7 | 30.3 | 28.2            | 28.7 | 28.7 | 29.1 | 29.7 |
|                     | 8H  | 29.0           | 29.4 | 29.5 | 29.9 | 30.5 | 28.4            | 28.8 | 28.9 | 29.3 | 29.8 |

Corrected UGR values based on total output energy  
 SHR = 1.0

Corrected UGR values based on total output lumens

SHR = 1.0