

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-5030-00-UNVE10-35-LG.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3668
 [ECN] 3734
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 1/10/2019 9:01:22 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6RX-5030-00-UNVE10-35-LG
 [LUMINAIRE] Natural anodized aluminum housing with clear glass step lens
 [LAMP] Six (6) white LEDs (3500K) with 50 deg x 30 deg round optics
 [ELECTRICALS] 120.05 VAC, 0.08 A, 0.9926 PF, 21% ATHD

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 728 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 74 |
| Total Luminaire Watts | 9.83 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.78 |
| Spacing Criterion (90-270) | 0.44 |
| Spacing Criterion (Diagonal) | 0.58 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.13 ft |
| Luminous Width (90-270) | 0.96 ft |
| Luminous Height | 0.00 ft |



LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 8865 | 6069 | 5206 |
| 55 | 4099 | 4244 | 4166 |
| 65 | 2601 | 3126 | 3500 |
| 75 | 1391 | 1964 | 2692 |
| 85 | 577 | 762 | 1278 |

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CANDELA TABULATION

| | <u>0</u> | <u>5</u> | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> | <u>30</u> | <u>35</u> | <u>40</u> | <u>45</u> |
|-------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0.0 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 |
| 2.5 | 1452.94 | 1450.28 | 1447.62 | 1446.48 | 1445.33 | 1444.21 | 1443.09 | 1441.66 | 1440.22 | 1438.87 |
| 5.0 | 1432.30 | 1427.79 | 1423.27 | 1416.64 | 1410.01 | 1401.64 | 1393.28 | 1382.82 | 1372.36 | 1363.12 |
| 7.5 | 1401.01 | 1392.78 | 1384.55 | 1370.31 | 1356.06 | 1336.84 | 1317.61 | 1295.98 | 1274.34 | 1253.64 |
| 10.0 | 1358.68 | 1345.73 | 1332.77 | 1308.50 | 1284.22 | 1253.07 | 1221.92 | 1187.06 | 1152.20 | 1120.71 |
| 12.5 | 1297.83 | 1280.21 | 1262.59 | 1228.87 | 1195.16 | 1151.65 | 1108.13 | 1062.23 | 1016.33 | 974.86 |
| 15.0 | 1214.75 | 1192.66 | 1170.57 | 1128.46 | 1086.34 | 1034.55 | 982.76 | 927.97 | 873.17 | 827.19 |
| 17.5 | 1107.22 | 1081.76 | 1056.29 | 1009.39 | 962.49 | 905.50 | 848.51 | 790.06 | 731.62 | 687.56 |
| 20.0 | 973.53 | 947.73 | 921.93 | 875.34 | 828.75 | 770.13 | 711.50 | 656.59 | 601.68 | 562.87 |
| 22.5 | 823.93 | 801.01 | 778.09 | 734.37 | 690.65 | 635.78 | 580.91 | 534.49 | 488.07 | 454.05 |
| 25.0 | 670.37 | 651.17 | 631.97 | 594.53 | 557.08 | 510.36 | 463.64 | 426.59 | 389.53 | 360.43 |
| 27.5 | 528.65 | 514.00 | 499.34 | 468.70 | 438.04 | 400.41 | 362.78 | 334.46 | 306.13 | 282.32 |
| 30.0 | 407.04 | 396.10 | 385.14 | 360.36 | 335.58 | 307.42 | 279.27 | 257.92 | 236.56 | 218.48 |
| 32.5 | 306.67 | 298.63 | 290.58 | 271.96 | 253.33 | 232.88 | 212.42 | 197.08 | 181.75 | 168.45 |
| 35.0 | 228.43 | 222.73 | 217.02 | 203.20 | 189.37 | 175.32 | 161.26 | 150.03 | 138.80 | 129.51 |
| 37.5 | 169.01 | 164.95 | 160.89 | 151.10 | 141.30 | 131.22 | 121.14 | 113.44 | 105.73 | 99.27 |
| 40.0 | 125.24 | 122.37 | 119.50 | 112.60 | 105.71 | 98.24 | 90.77 | 85.70 | 80.61 | 76.29 |
| 42.5 | 93.43 | 91.24 | 89.03 | 84.28 | 79.51 | 74.12 | 68.72 | 65.37 | 62.02 | 59.35 |
| 45.0 | 69.80 | 68.36 | 66.92 | 63.83 | 60.74 | 57.12 | 53.49 | 51.46 | 49.43 | 47.79 |
| 47.5 | 52.57 | 51.65 | 50.72 | 49.10 | 47.47 | 45.32 | 43.17 | 42.05 | 40.93 | 39.96 |
| 50.0 | 40.17 | 39.72 | 39.27 | 38.72 | 38.17 | 37.06 | 35.95 | 35.54 | 35.12 | 34.70 |
| 52.5 | 32.16 | 31.87 | 31.58 | 31.44 | 31.30 | 31.01 | 30.72 | 30.76 | 30.80 | 30.58 |
| 55.0 | 26.18 | 26.17 | 26.16 | 26.24 | 26.31 | 26.33 | 26.34 | 26.70 | 27.06 | 27.11 |
| 57.5 | 21.77 | 21.94 | 22.10 | 22.20 | 22.29 | 22.49 | 22.68 | 23.18 | 23.67 | 23.85 |
| 60.0 | 18.41 | 18.50 | 18.60 | 18.76 | 18.92 | 19.11 | 19.30 | 19.77 | 20.24 | 20.59 |
| 62.5 | 15.12 | 15.31 | 15.49 | 15.72 | 15.94 | 16.15 | 16.36 | 16.80 | 17.23 | 17.62 |
| 65.0 | 12.24 | 12.38 | 12.52 | 12.76 | 13.00 | 13.27 | 13.52 | 13.93 | 14.33 | 14.71 |
| 67.5 | 9.56 | 9.75 | 9.94 | 10.12 | 10.29 | 10.58 | 10.87 | 11.27 | 11.67 | 12.03 |
| 70.0 | 7.47 | 7.59 | 7.70 | 7.89 | 8.08 | 8.38 | 8.67 | 8.97 | 9.26 | 9.59 |
| 72.5 | 5.58 | 5.66 | 5.73 | 5.88 | 6.02 | 6.36 | 6.70 | 6.95 | 7.18 | 7.51 |
| 75.0 | 4.01 | 4.08 | 4.13 | 4.27 | 4.41 | 4.70 | 4.98 | 5.20 | 5.42 | 5.66 |
| 77.5 | 2.53 | 2.62 | 2.71 | 2.78 | 2.85 | 3.16 | 3.47 | 3.69 | 3.90 | 4.12 |
| 80.0 | 1.58 | 1.58 | 1.57 | 1.70 | 1.83 | 2.01 | 2.18 | 2.39 | 2.61 | 2.75 |
| 82.5 | 0.84 | 0.89 | 0.94 | 0.94 | 0.92 | 1.06 | 1.19 | 1.30 | 1.41 | 1.51 |
| 85.0 | 0.56 | 0.56 | 0.56 | 0.57 | 0.57 | 0.61 | 0.65 | 0.66 | 0.66 | 0.74 |
| 87.5 | 0.24 | 0.23 | 0.21 | 0.23 | 0.24 | 0.25 | 0.25 | 0.24 | 0.23 | 0.24 |
| 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Vert. Angles **Horizontal Angles**

| | <u>50</u> | <u>55</u> | <u>60</u> | <u>65</u> | <u>70</u> | <u>75</u> | <u>80</u> | <u>85</u> | <u>90</u> |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0.0 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 | 1468.55 |
| 2.5 | 1437.51 | 1436.79 | 1436.07 | 1436.30 | 1436.53 | 1435.96 | 1435.38 | 1436.08 | 1436.78 |
| 5.0 | 1353.86 | 1345.02 | 1336.18 | 1330.20 | 1324.22 | 1318.83 | 1313.44 | 1312.86 | 1312.28 |
| 7.5 | 1232.93 | 1213.96 | 1194.99 | 1181.00 | 1167.01 | 1157.29 | 1147.56 | 1145.28 | 1143.00 |
| 10.0 | 1089.22 | 1060.93 | 1032.65 | 1012.04 | 991.43 | 977.58 | 963.73 | 959.97 | 956.21 |
| 12.5 | 933.39 | 899.12 | 864.85 | 841.17 | 817.48 | 802.53 | 787.57 | 782.97 | 778.36 |
| 15.0 | 781.20 | 746.95 | 712.70 | 689.34 | 665.99 | 651.64 | 637.29 | 632.28 | 627.26 |
| 17.5 | 643.49 | 611.90 | 580.31 | 558.17 | 536.01 | 522.04 | 508.06 | 503.02 | 497.97 |
| 20.0 | 524.06 | 495.01 | 465.96 | 445.17 | 424.37 | 411.85 | 399.31 | 394.37 | 389.42 |
| 22.5 | 420.03 | 394.10 | 368.17 | 349.99 | 331.82 | 321.29 | 310.76 | 306.83 | 302.90 |
| 25.0 | 331.33 | 309.41 | 287.49 | 273.00 | 258.51 | 250.12 | 241.73 | 238.73 | 235.73 |
| 27.5 | 258.51 | 241.41 | 224.31 | 212.96 | 201.61 | 195.14 | 188.66 | 185.86 | 183.04 |
| 30.0 | 200.38 | 187.67 | 174.96 | 166.21 | 157.46 | 152.17 | 146.88 | 144.95 | 143.00 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 32.5 | 155.15 | 145.86 | 136.57 | 129.78 | 122.99 | 119.06 | 115.11 | 113.42 | 111.72 |
| 35.0 | 120.21 | 113.37 | 106.52 | 101.40 | 96.28 | 93.32 | 90.35 | 89.18 | 87.99 |
| 37.5 | 92.79 | 87.95 | 83.10 | 79.43 | 75.77 | 73.80 | 71.83 | 71.00 | 70.17 |
| 40.0 | 71.96 | 68.68 | 65.39 | 62.98 | 60.57 | 59.36 | 58.15 | 57.68 | 57.21 |
| 42.5 | 56.67 | 54.68 | 52.70 | 51.24 | 49.78 | 49.01 | 48.23 | 47.91 | 47.60 |
| 45.0 | 46.15 | 45.09 | 44.02 | 43.10 | 42.16 | 41.80 | 41.43 | 41.21 | 40.99 |
| 47.5 | 38.99 | 38.50 | 38.01 | 37.52 | 37.03 | 36.77 | 36.51 | 36.31 | 36.10 |
| 50.0 | 34.28 | 33.96 | 33.63 | 33.43 | 33.23 | 32.91 | 32.60 | 32.42 | 32.24 |
| 52.5 | 30.35 | 30.33 | 30.32 | 30.23 | 30.15 | 29.90 | 29.65 | 29.42 | 29.19 |
| 55.0 | 27.16 | 27.25 | 27.33 | 27.20 | 27.06 | 26.99 | 26.91 | 26.76 | 26.61 |
| 57.5 | 24.03 | 24.21 | 24.39 | 24.36 | 24.34 | 24.33 | 24.31 | 24.29 | 24.27 |
| 60.0 | 20.94 | 21.26 | 21.56 | 21.56 | 21.54 | 21.63 | 21.72 | 21.75 | 21.78 |
| 62.5 | 18.01 | 18.32 | 18.63 | 18.72 | 18.80 | 18.85 | 18.89 | 18.99 | 19.09 |
| 65.0 | 15.08 | 15.43 | 15.77 | 15.96 | 16.13 | 16.21 | 16.28 | 16.38 | 16.47 |
| 67.5 | 12.38 | 12.69 | 12.99 | 13.27 | 13.53 | 13.74 | 13.94 | 13.93 | 13.92 |
| 70.0 | 9.92 | 10.25 | 10.58 | 10.90 | 11.21 | 11.45 | 11.69 | 11.76 | 11.82 |
| 72.5 | 7.83 | 8.03 | 8.21 | 8.65 | 9.09 | 9.30 | 9.51 | 9.56 | 9.60 |
| 75.0 | 5.88 | 6.12 | 6.35 | 6.74 | 7.12 | 7.36 | 7.60 | 7.68 | 7.76 |
| 77.5 | 4.34 | 4.50 | 4.65 | 4.93 | 5.20 | 5.51 | 5.81 | 5.93 | 6.04 |
| 80.0 | 2.90 | 3.02 | 3.14 | 3.32 | 3.50 | 3.78 | 4.06 | 4.18 | 4.29 |
| 82.5 | 1.60 | 1.71 | 1.82 | 1.95 | 2.07 | 2.26 | 2.44 | 2.49 | 2.53 |
| 85.0 | 0.81 | 0.87 | 0.92 | 0.98 | 1.04 | 1.11 | 1.18 | 1.21 | 1.24 |
| 87.5 | 0.25 | 0.25 | 0.25 | 0.27 | 0.29 | 0.29 | 0.30 | 0.29 | 0.29 |
| 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|--------|-------|--------|
| 0-20 | 362.91 | N.A. | 49.80 |
| 0-30 | 548.84 | N.A. | 75.30 |
| 0-40 | 641.03 | N.A. | 88.00 |
| 0-60 | 706.63 | N.A. | 97.00 |
| 0-80 | 727.39 | N.A. | 99.90 |
| 0-90 | 728.48 | N.A. | 100.00 |
| 10-90 | 605.43 | N.A. | 83.10 |
| 20-40 | 278.12 | N.A. | 38.20 |
| 20-50 | 319.48 | N.A. | 43.90 |
| 40-70 | 80.14 | N.A. | 11.00 |
| 60-80 | 20.76 | N.A. | 2.80 |
| 70-80 | 6.22 | N.A. | 0.90 |
| 80-90 | 1.09 | N.A. | 0.10 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 728.48 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 123.05 |
| 10-20 | 239.86 |
| 20-30 | 185.93 |
| 30-40 | 92.19 |
| 40-50 | 41.36 |
| 50-60 | 24.24 |
| 60-70 | 14.54 |
| 70-80 | 6.22 |
| 80-90 | 1.09 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

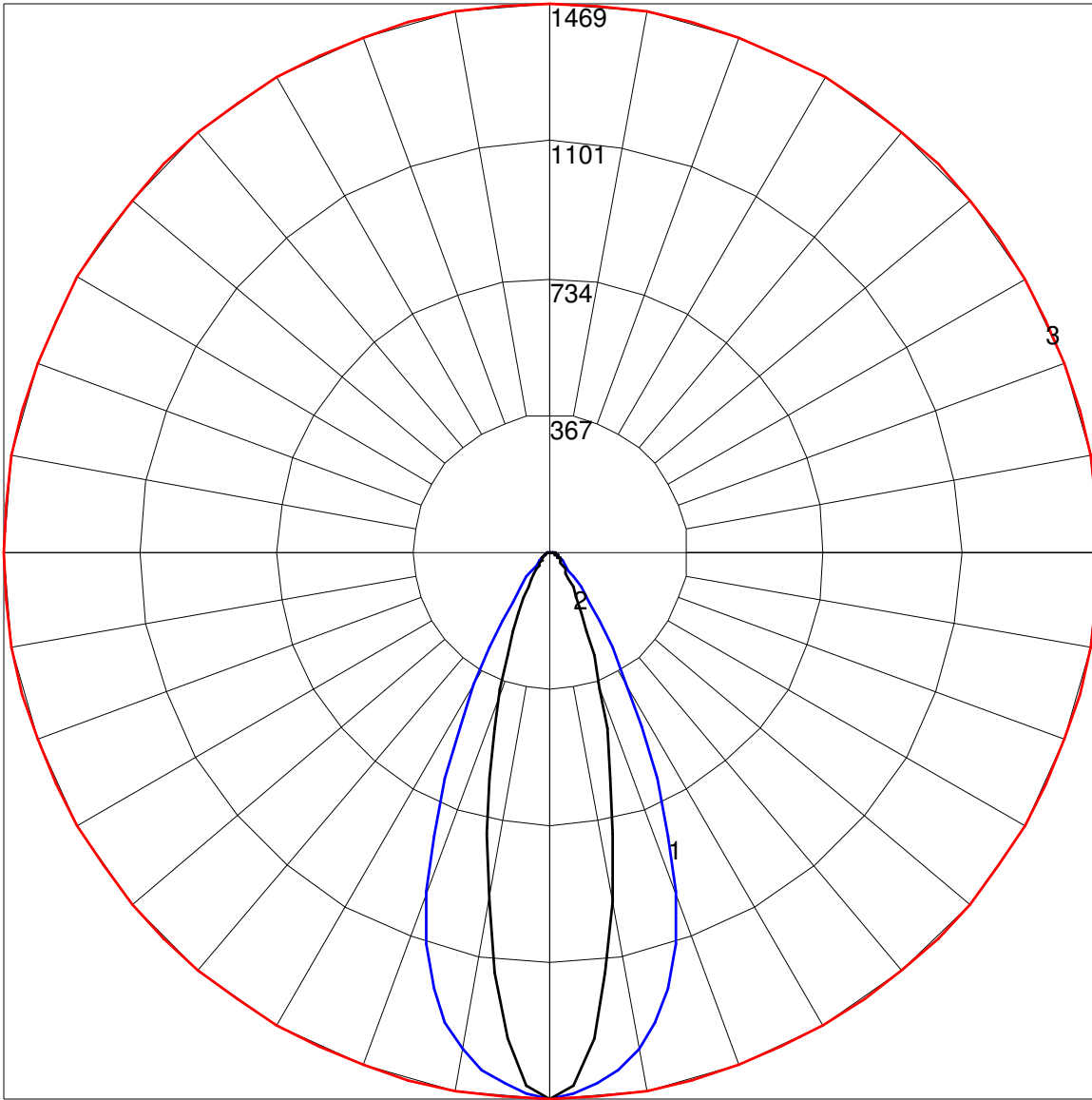
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| 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 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 93 | |
| 2 | 108 | 103 | 99 | 96 | 106 | 101 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 92 | 90 | 89 | 87 | |
| 3 | 103 | 96 | 91 | 88 | 101 | 95 | 90 | 87 | 92 | 89 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 81 | |
| 4 | 98 | 90 | 85 | 81 | 96 | 89 | 84 | 80 | 87 | 83 | 79 | 85 | 82 | 79 | 83 | 80 | 78 | 76 | |
| 5 | 93 | 85 | 80 | 75 | 92 | 84 | 79 | 75 | 83 | 78 | 74 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | |
| 6 | 89 | 81 | 75 | 71 | 88 | 80 | 74 | 70 | 78 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 68 | |
| 7 | 85 | 76 | 71 | 67 | 84 | 76 | 70 | 66 | 74 | 70 | 66 | 73 | 69 | 66 | 72 | 68 | 65 | 64 | |
| 8 | 82 | 73 | 67 | 63 | 80 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 62 | 69 | 65 | 62 | 61 | |
| 9 | 78 | 69 | 64 | 60 | 77 | 69 | 63 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 58 | |
| 10 | 75 | 66 | 61 | 57 | 74 | 66 | 60 | 57 | 65 | 60 | 57 | 64 | 60 | 56 | 63 | 59 | 56 | 55 | |

POLAR GRAPH



Maximum Candela = 1468.55 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)