



1961 McGaw Ave, Irvine, CA 92614
phone: 949.442.1601
email: info@tempolc.com

IES INDOOR REPORT PHOTOMETRIC FILENAME : C3R-1424-CL-0-2-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4340
[TESTLAB] Tempo LLC
[ISSUEDATE] 3/4/2022 10:08:17 AM
[MANUFAC] Tempo LLC
[LUMCAT] C3R-1424-CL-0-2-35LG
[LUMINAIRE] Gray PVC housing with clear graze optics and baffle
[LAMP] Twelve (12) white LEDs (3500K)
[ELECTRICALS] 23.97 VDC, 0.08 A, 1.00 PF

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 100 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 51 |
| Total Luminaire Watts | 1.97 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.26 |
| Spacing Criterion (90-270) | 0.42 |
| Spacing Criterion (Diagonal) | 0.34 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.04 ft |
| Luminous Width (90-270) | 0.98 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 1230 | 1603 | 2371 |
| 55 | 712 | 1080 | 1383 |
| 65 | 218 | 580 | 717 |
| 75 | 51 | 81 | 92 |
| 85 | 91 | 60 | 60 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3R-1424-CL-0-2-35LG-1.IES

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 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 |
| 2.5 | 541.05 | 541.77 | 542.50 | 543.90 | 545.29 | 545.99 | 546.68 | 549.08 | 551.47 | 552.63 |
| 5.0 | 426.39 | 428.53 | 430.65 | 435.22 | 439.78 | 446.02 | 452.26 | 460.40 | 468.55 | 476.51 |
| 7.5 | 283.08 | 286.14 | 289.20 | 295.46 | 301.70 | 311.44 | 321.16 | 332.76 | 344.36 | 357.20 |
| 10.0 | 170.43 | 172.80 | 175.18 | 180.99 | 186.80 | 196.34 | 205.88 | 218.12 | 230.35 | 245.16 |
| 12.5 | 100.87 | 102.51 | 104.15 | 108.27 | 112.39 | 119.38 | 126.37 | 137.24 | 148.11 | 163.44 |
| 15.0 | 61.37 | 62.35 | 63.33 | 66.20 | 69.07 | 73.97 | 78.86 | 86.69 | 94.51 | 105.87 |
| 17.5 | 39.78 | 40.35 | 40.91 | 42.67 | 44.43 | 47.59 | 50.74 | 56.12 | 61.49 | 69.73 |
| 20.0 | 27.60 | 27.94 | 28.27 | 29.36 | 30.45 | 32.47 | 34.49 | 38.03 | 41.57 | 47.37 |
| 22.5 | 20.33 | 20.57 | 20.80 | 21.48 | 22.14 | 23.45 | 24.75 | 27.10 | 29.44 | 33.37 |
| 25.0 | 15.82 | 15.94 | 16.06 | 16.47 | 16.86 | 17.73 | 18.59 | 20.17 | 21.74 | 24.36 |
| 27.5 | 12.70 | 12.74 | 12.77 | 13.03 | 13.29 | 13.85 | 14.41 | 15.52 | 16.63 | 18.42 |
| 30.0 | 10.20 | 10.28 | 10.35 | 10.57 | 10.77 | 11.16 | 11.54 | 12.31 | 13.08 | 14.38 |
| 32.5 | 8.09 | 8.23 | 8.36 | 8.54 | 8.72 | 9.01 | 9.30 | 9.88 | 10.45 | 11.40 |
| 35.0 | 6.14 | 6.26 | 6.37 | 6.68 | 6.98 | 7.29 | 7.60 | 8.01 | 8.42 | 9.14 |
| 37.5 | 4.78 | 4.85 | 4.92 | 5.17 | 5.42 | 5.78 | 6.13 | 6.50 | 6.86 | 7.39 |
| 40.0 | 4.03 | 4.07 | 4.10 | 4.23 | 4.35 | 4.68 | 4.99 | 5.32 | 5.65 | 6.02 |
| 42.5 | 3.58 | 3.62 | 3.65 | 3.71 | 3.76 | 3.96 | 4.15 | 4.44 | 4.73 | 5.02 |
| 45.0 | 3.30 | 3.31 | 3.31 | 3.37 | 3.42 | 3.52 | 3.61 | 3.84 | 4.05 | 4.30 |
| 47.5 | 2.90 | 2.92 | 2.93 | 3.01 | 3.09 | 3.16 | 3.24 | 3.40 | 3.55 | 3.74 |
| 50.0 | 2.41 | 2.45 | 2.48 | 2.56 | 2.64 | 2.76 | 2.87 | 2.99 | 3.11 | 3.25 |
| 52.5 | 1.92 | 1.97 | 2.01 | 2.12 | 2.23 | 2.34 | 2.44 | 2.56 | 2.68 | 2.79 |
| 55.0 | 1.55 | 1.56 | 1.55 | 1.65 | 1.75 | 1.88 | 2.00 | 2.13 | 2.24 | 2.35 |
| 57.5 | 1.24 | 1.24 | 1.23 | 1.30 | 1.36 | 1.47 | 1.58 | 1.71 | 1.85 | 1.93 |
| 60.0 | 0.96 | 0.97 | 0.98 | 1.02 | 1.05 | 1.12 | 1.18 | 1.32 | 1.45 | 1.54 |
| 62.5 | 0.63 | 0.68 | 0.72 | 0.75 | 0.78 | 0.86 | 0.93 | 1.02 | 1.10 | 1.19 |
| 65.0 | 0.35 | 0.36 | 0.36 | 0.40 | 0.44 | 0.55 | 0.64 | 0.75 | 0.86 | 0.93 |
| 67.5 | 0.15 | 0.15 | 0.14 | 0.17 | 0.20 | 0.24 | 0.28 | 0.43 | 0.57 | 0.64 |
| 70.0 | 0.08 | 0.10 | 0.11 | 0.11 | 0.11 | 0.12 | 0.12 | 0.18 | 0.24 | 0.34 |
| 72.5 | 0.07 | 0.07 | 0.07 | 0.08 | 0.09 | 0.09 | 0.09 | 0.11 | 0.12 | 0.14 |
| 75.0 | 0.05 | 0.05 | 0.05 | 0.07 | 0.08 | 0.08 | 0.07 | 0.08 | 0.07 | 0.08 |
| 77.5 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 |
| 80.0 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.05 |
| 82.5 | 0.02 | 0.03 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 |
| 85.0 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 87.5 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 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 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 | 577.54 |
| 2.5 | 553.80 | 556.54 | 559.27 | 560.04 | 560.81 | 562.71 | 564.61 | 564.24 | 563.86 |
| 5.0 | 484.46 | 491.87 | 499.27 | 504.43 | 509.59 | 513.31 | 517.03 | 517.91 | 518.80 |
| 7.5 | 370.04 | 382.67 | 395.30 | 406.28 | 417.25 | 424.14 | 431.02 | 433.56 | 436.10 |
| 10.0 | 259.96 | 275.68 | 291.39 | 307.58 | 323.77 | 334.35 | 344.92 | 349.27 | 353.63 |
| 12.5 | 178.76 | 193.82 | 208.87 | 223.33 | 237.79 | 248.09 | 258.38 | 262.90 | 267.42 |
| 15.0 | 117.22 | 130.34 | 143.45 | 155.62 | 167.80 | 176.64 | 185.48 | 189.22 | 192.97 |
| 17.5 | 77.97 | 88.58 | 99.17 | 109.23 | 119.29 | 127.40 | 135.51 | 138.82 | 142.12 |
| 20.0 | 53.16 | 61.33 | 69.51 | 77.70 | 85.89 | 92.72 | 99.54 | 102.48 | 105.42 |
| 22.5 | 37.29 | 43.38 | 49.45 | 55.95 | 62.44 | 68.02 | 73.60 | 76.26 | 78.91 |
| 25.0 | 26.97 | 31.38 | 35.79 | 40.89 | 45.98 | 50.27 | 54.56 | 56.85 | 59.13 |
| 27.5 | 20.21 | 23.32 | 26.44 | 30.36 | 34.28 | 37.66 | 41.03 | 42.75 | 44.47 |
| 30.0 | 15.68 | 17.87 | 20.07 | 23.07 | 26.08 | 28.62 | 31.15 | 32.50 | 33.85 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3R-1424-CL-0-2-35LG-1.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 32.5 | 12.34 | 13.90 | 15.45 | 17.56 | 19.66 | 21.57 | 23.46 | 24.40 | 25.33 |
| 35.0 | 9.85 | 10.87 | 11.88 | 13.36 | 14.82 | 16.13 | 17.43 | 18.05 | 18.67 |
| 37.5 | 7.91 | 8.57 | 9.21 | 10.13 | 11.05 | 11.95 | 12.85 | 13.32 | 13.79 |
| 40.0 | 6.39 | 6.84 | 7.28 | 7.82 | 8.35 | 9.03 | 9.70 | 10.04 | 10.37 |
| 42.5 | 5.31 | 5.65 | 5.98 | 6.31 | 6.63 | 7.08 | 7.53 | 7.76 | 7.99 |
| 45.0 | 4.55 | 4.79 | 5.03 | 5.24 | 5.44 | 5.71 | 5.97 | 6.17 | 6.36 |
| 47.5 | 3.93 | 4.10 | 4.26 | 4.41 | 4.57 | 4.73 | 4.89 | 5.00 | 5.11 |
| 50.0 | 3.39 | 3.50 | 3.61 | 3.74 | 3.86 | 4.00 | 4.14 | 4.15 | 4.16 |
| 52.5 | 2.90 | 3.01 | 3.12 | 3.21 | 3.29 | 3.41 | 3.52 | 3.55 | 3.57 |
| 55.0 | 2.46 | 2.56 | 2.65 | 2.71 | 2.77 | 2.86 | 2.95 | 2.98 | 3.01 |
| 57.5 | 2.02 | 2.10 | 2.18 | 2.26 | 2.33 | 2.36 | 2.38 | 2.39 | 2.40 |
| 60.0 | 1.63 | 1.71 | 1.78 | 1.82 | 1.87 | 1.87 | 1.86 | 1.82 | 1.77 |
| 62.5 | 1.27 | 1.35 | 1.42 | 1.45 | 1.47 | 1.44 | 1.40 | 1.40 | 1.40 |
| 65.0 | 1.00 | 1.06 | 1.12 | 1.12 | 1.10 | 1.10 | 1.09 | 1.12 | 1.15 |
| 67.5 | 0.70 | 0.76 | 0.81 | 0.80 | 0.78 | 0.76 | 0.75 | 0.73 | 0.72 |
| 70.0 | 0.44 | 0.45 | 0.47 | 0.39 | 0.31 | 0.30 | 0.28 | 0.28 | 0.28 |
| 72.5 | 0.16 | 0.16 | 0.15 | 0.15 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 |
| 75.0 | 0.08 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.07 | 0.08 | 0.09 |
| 77.5 | 0.06 | 0.06 | 0.05 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 |
| 80.0 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 |
| 82.5 | 0.03 | 0.04 | 0.03 | 0.04 | 0.03 | 0.04 | 0.04 | 0.04 | 0.03 |
| 85.0 | 0.02 | 0.03 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 87.5 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3R-1424-CL-0-2-35LG-1.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|--------|-------|--------|
| 0-20 | 72.19 | N.A. | 71.90 |
| 0-30 | 86.94 | N.A. | 86.60 |
| 0-40 | 93.83 | N.A. | 93.50 |
| 0-60 | 99.44 | N.A. | 99.10 |
| 0-80 | 100.36 | N.A. | 100.00 |
| 0-90 | 100.39 | N.A. | 100.00 |
| 10-90 | 62.58 | N.A. | 62.30 |
| 20-40 | 21.64 | N.A. | 21.60 |
| 20-50 | 25.18 | N.A. | 25.10 |
| 40-70 | 6.42 | N.A. | 6.40 |
| 60-80 | 0.92 | N.A. | 0.90 |
| 70-80 | 0.10 | N.A. | 0.10 |
| 80-90 | 0.02 | N.A. | 0.00 |
| 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 | 100.39 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 37.80 |
| 10-20 | 34.39 |
| 20-30 | 14.74 |
| 30-40 | 6.90 |
| 40-50 | 3.54 |
| 50-60 | 2.07 |
| 60-70 | 0.82 |
| 70-80 | 0.10 |
| 80-90 | 0.02 |
| 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 |

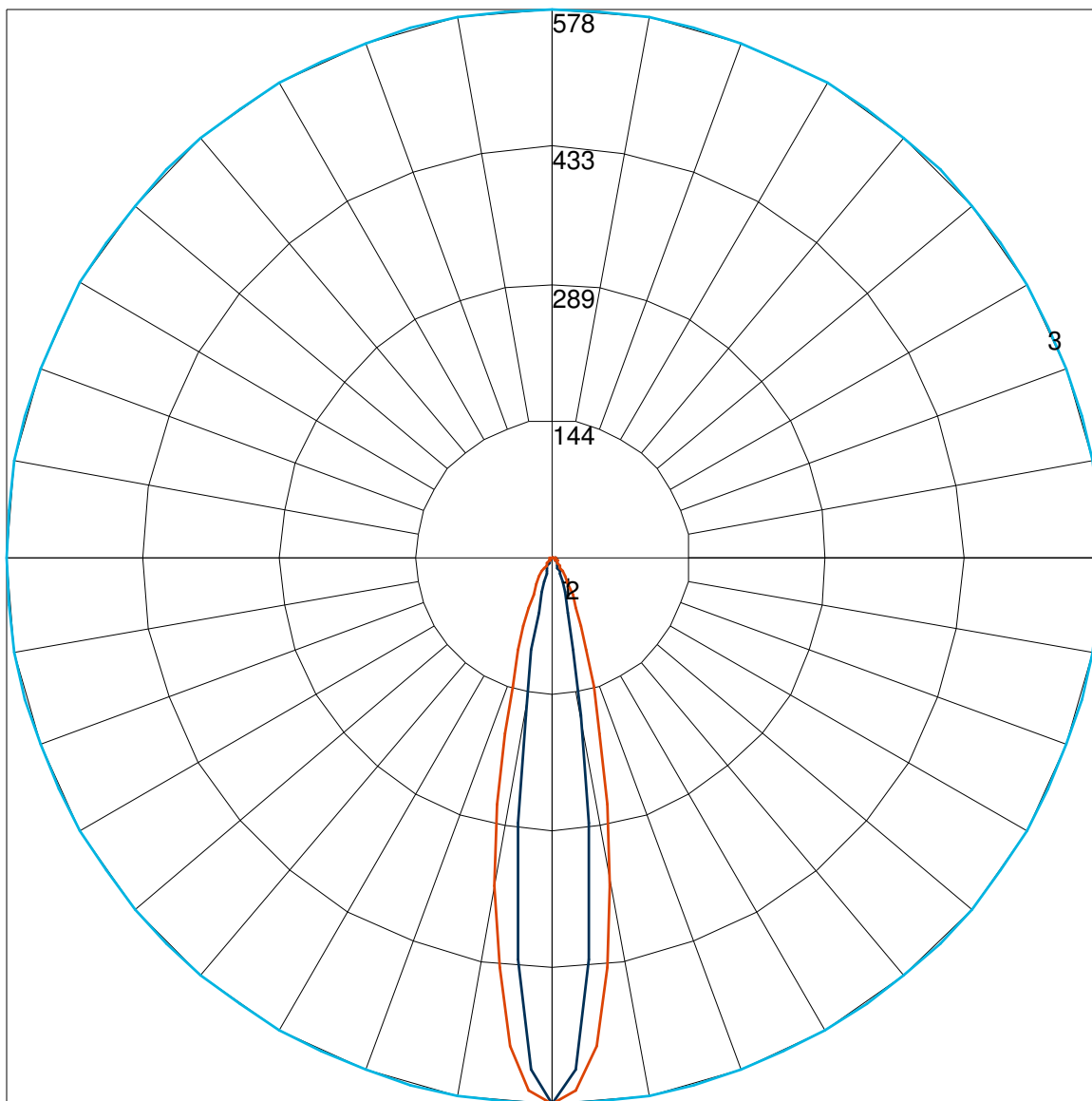
IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3R-1424-CL-0-2-35LG-1.IES

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 | 120 | 120 | 120 | 120 | 117 | 117 | 117 | 117 | 112 | 112 | 112 | 107 | 107 | 107 | 102 | 102 | 102 | 100 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 96 |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 |
| 3 | 107 | 102 | 98 | 95 | 105 | 100 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 93 | 91 | 90 | 88 |
| 4 | 103 | 97 | 93 | 90 | 102 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 88 | 86 | 85 |
| 5 | 100 | 93 | 89 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 82 |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 86 | 83 | 81 | 85 | 82 | 80 | 79 |
| 7 | 94 | 87 | 82 | 79 | 93 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 78 | 77 |
| 8 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 76 | 81 | 78 | 75 | 74 |
| 9 | 88 | 81 | 77 | 74 | 87 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 73 | 79 | 75 | 73 | 72 |
| 10 | 86 | 79 | 75 | 72 | 85 | 79 | 74 | 72 | 78 | 74 | 71 | 77 | 74 | 71 | 77 | 73 | 71 | 70 |

POLAR GRAPH



Maximum Candela = 577.54 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.)