



Report of Test

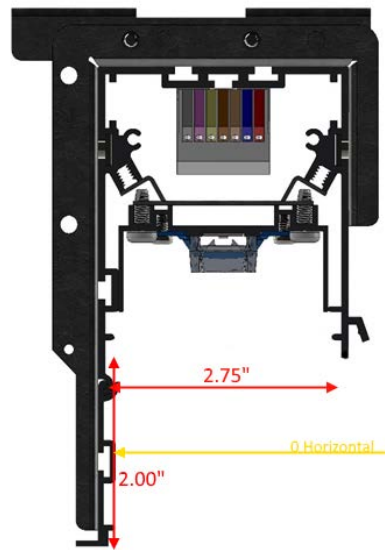
LLIA000977-008A

Catalog Number: PSWW3-MO-K40-80-4-XXX-XX-OP-UNV-XXX

Recessed mounted, extruded aluminum housing, no enclosure.

One PAL-Lighting LED board with 88 LEDs and clear prismatic plastic lenses below LEDs.

One Osram Optotronic OTi 30/120-277/1A0 DIM L LED driver
120.0Vac, 60.00Hz, 0.1552A, 18.52W, 0.994PF, 5.3%THD(i)



Performance Summary

| | |
|--------------------|------------|
| Total Light Output | 2143 lm |
| Luminaire Power | 18.5 W |
| Luminous Efficacy | 115.8 lm/W |

PREPARED FOR : Precision Architectural Lighting, 4830 Timber Creek Drive, Houston, TX 77017



Test Report No. LLIA000977-008A

Catalog Number: PSWW3-MO-K40-80-4-XXX-XX-OP-UNV-XXX

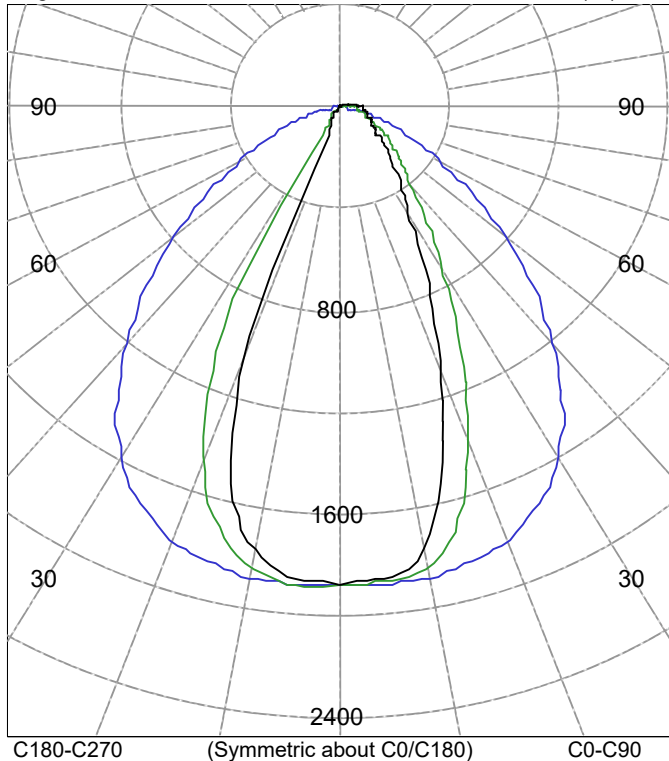
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Legend: C0/C180-Black, C45/C225-Green, C90/C270-Blue (cd)



INTENSITY SUMMARY (cd)

| Gamma | C-Plane | | | | | Flux (lm) |
|-------|---------|-------|------|-------|------|-----------|
| | C0 | C22.5 | C45 | C67.5 | C90 | |
| 0.0 | 1872 | 1872 | 1872 | 1872 | 1872 | |
| 5.0 | 1864 | 1870 | 1874 | 1857 | 1883 | 177 |
| 10.0 | 1763 | 1787 | 1843 | 1853 | 1880 | |
| 15.0 | 1445 | 1507 | 1675 | 1794 | 1847 | 463 |
| 20.0 | 1065 | 1136 | 1370 | 1669 | 1806 | |
| 25.0 | 761 | 812 | 1049 | 1457 | 1721 | 475 |
| 30.0 | 519 | 573 | 760 | 1204 | 1585 | |
| 35.0 | 400 | 410 | 559 | 946 | 1411 | 364 |
| 40.0 | 303 | 337 | 397 | 715 | 1207 | |
| 45.0 | 251 | 261 | 320 | 531 | 995 | 259 |
| 50.0 | 194 | 213 | 255 | 406 | 784 | |
| 55.0 | 164 | 166 | 217 | 320 | 584 | 162 |
| 60.0 | 132 | 142 | 170 | 246 | 414 | |
| 65.0 | 122 | 117 | 129 | 199 | 282 | 101 |
| 70.0 | 116 | 112 | 97 | 153 | 187 | |
| 75.0 | 105 | 102 | 89 | 90 | 121 | 61 |
| 80.0 | 94 | 89 | 77 | 57 | 69 | |
| 85.0 | 86 | 82 | 67 | 43 | 23 | 36 |
| 90.0 | 80 | 75 | 58 | 32 | 0 | |

ZONAL FLUX AND PERCENTAGES

| Zone | Flux (lm) | % Lamp | % Luminaire |
|--------|-----------|--------|-------------|
| 0-30 | 1116 | N / A | 52.1 |
| 0-40 | 1480 | N / A | 69.0 |
| 0-60 | 1901 | N / A | 88.7 |
| 0-90 | 2099 | N / A | 98.0 |
| 40-90 | 620 | N / A | 28.9 |
| 60-90 | 199 | N / A | 9.3 |
| 90-180 | 44 | N / A | 2.0 |
| 0-180 | 2143 | N / A | 100.0 |

Total Light Output = 2,143 lm

Signed:

Authorized Signatory

Date of test

27-Apr-2018

Date of report

2-May-2018



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Intensity data (cd)

| Gamma | C-Plane | | | | |
|-------|---------|-------|------|-------|------|
| | C0 | C22.5 | C45 | C67.5 | C90 |
| 0.0 | 1872 | 1872 | 1872 | 1872 | 1872 |
| 2.5 | 1863 | 1871 | 1874 | 1857 | 1880 |
| 5.0 | 1864 | 1870 | 1874 | 1857 | 1883 |
| 7.5 | 1842 | 1852 | 1869 | 1858 | 1884 |
| 10.0 | 1763 | 1787 | 1843 | 1853 | 1880 |
| 12.5 | 1625 | 1669 | 1780 | 1834 | 1866 |
| 15.0 | 1445 | 1507 | 1675 | 1794 | 1847 |
| 17.5 | 1250 | 1321 | 1532 | 1741 | 1832 |
| 20.0 | 1065 | 1136 | 1370 | 1669 | 1806 |
| 22.5 | 895 | 962 | 1207 | 1571 | 1764 |
| 25.0 | 761 | 812 | 1049 | 1457 | 1721 |
| 27.5 | 638 | 688 | 898 | 1336 | 1664 |
| 30.0 | 519 | 573 | 760 | 1204 | 1585 |
| 32.5 | 444 | 471 | 651 | 1070 | 1506 |
| 35.0 | 400 | 410 | 559 | 946 | 1411 |
| 37.5 | 364 | 372 | 472 | 826 | 1309 |
| 40.0 | 303 | 337 | 397 | 715 | 1207 |
| 42.5 | 275 | 284 | 352 | 620 | 1099 |
| 45.0 | 251 | 261 | 320 | 531 | 995 |
| 47.5 | 221 | 239 | 290 | 461 | 888 |
| 50.0 | 194 | 213 | 255 | 406 | 784 |
| 52.5 | 172 | 189 | 237 | 362 | 682 |
| 55.0 | 164 | 166 | 217 | 320 | 584 |
| 57.5 | 151 | 157 | 194 | 277 | 495 |
| 60.0 | 132 | 142 | 170 | 246 | 414 |
| 62.5 | 125 | 122 | 145 | 224 | 343 |
| 65.0 | 122 | 117 | 129 | 199 | 282 |
| 67.5 | 120 | 115 | 107 | 176 | 229 |
| 70.0 | 116 | 112 | 97 | 153 | 187 |
| 72.5 | 111 | 107 | 93 | 130 | 151 |
| 75.0 | 105 | 102 | 89 | 90 | 121 |
| 77.5 | 99 | 95 | 83 | 66 | 94 |
| 80.0 | 94 | 89 | 77 | 57 | 69 |
| 82.5 | 92 | 88 | 70 | 51 | 45 |
| 85.0 | 86 | 82 | 67 | 43 | 23 |
| 87.5 | 84 | 80 | 62 | 38 | 8 |
| 90.0 | 80 | 75 | 58 | 32 | 0 |



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120.0Vac, 60.00Hz, 0.1552A, 18.52W, 0.994PF, 5.3%THD(i)

Intensity data (cd)

| Gamma | C-Plane | | | | |
|-------|---------|-------|-----|-------|-----|
| | C0 | C22.5 | C45 | C67.5 | C90 |
| 90.0 | 80 | 75 | 58 | 32 | 0 |
| 92.5 | 76 | 71 | 54 | 26 | 0 |
| 95.0 | 69 | 64 | 46 | 23 | 0 |
| 97.5 | 62 | 58 | 44 | 17 | 0 |
| 100.0 | 60 | 57 | 41 | 13 | 0 |
| 102.5 | 58 | 54 | 36 | 10 | 0 |
| 105.0 | 54 | 48 | 27 | 0 | 0 |
| 107.5 | 47 | 39 | 22 | 0 | 0 |
| 110.0 | 37 | 33 | 19 | 0 | 0 |
| 112.5 | 32 | 27 | 17 | 0 | 0 |
| 115.0 | 26 | 23 | 9 | 0 | 0 |
| 117.5 | 23 | 21 | 0 | 0 | 0 |
| 120.0 | 21 | 16 | 0 | 0 | 0 |
| 122.5 | 15 | 0 | 0 | 0 | 0 |
| 125.0 | 0 | 0 | 0 | 0 | 0 |
| 127.5 | 0 | 0 | 0 | 0 | 0 |
| 130.0 | 0 | 0 | 0 | 0 | 0 |
| 132.5 | 0 | 0 | 0 | 0 | 0 |
| 135.0 | 0 | 0 | 0 | 0 | 0 |
| 137.5 | 0 | 0 | 0 | 0 | 0 |
| 140.0 | 0 | 0 | 0 | 0 | 0 |
| 142.5 | 0 | 0 | 0 | 0 | 0 |
| 145.0 | 0 | 0 | 0 | 0 | 0 |
| 147.5 | 0 | 0 | 0 | 0 | 0 |
| 150.0 | 0 | 0 | 0 | 0 | 0 |
| 152.5 | 0 | 0 | 0 | 0 | 0 |
| 155.0 | 0 | 0 | 0 | 0 | 0 |
| 157.5 | 0 | 0 | 0 | 0 | 0 |
| 160.0 | 0 | 0 | 0 | 0 | 0 |
| 162.5 | 0 | 0 | 0 | 0 | 0 |
| 165.0 | 0 | 0 | 0 | 0 | 0 |
| 167.5 | 0 | 0 | 0 | 0 | 0 |
| 170.0 | 0 | 0 | 0 | 0 | 0 |
| 172.5 | 0 | 0 | 0 | 0 | 0 |
| 175.0 | 0 | 0 | 0 | 0 | 0 |
| 177.5 | 0 | 0 | 0 | 0 | 0 |
| 180.0 | 0 | 0 | 0 | 0 | 0 |



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Intensity data (cd)

| Gamma | C-Plane | | | | |
|-------|---------|--------|------|--------|------|
| | C90 | C112.5 | C135 | C157.5 | C180 |
| 0.0 | 1872 | 1872 | 1872 | 1872 | 1872 |
| 2.5 | 1880 | 1863 | 1886 | 1885 | 1872 |
| 5.0 | 1883 | 1867 | 1885 | 1878 | 1866 |
| 7.5 | 1884 | 1867 | 1873 | 1848 | 1834 |
| 10.0 | 1880 | 1856 | 1842 | 1795 | 1774 |
| 12.5 | 1866 | 1831 | 1790 | 1713 | 1679 |
| 15.0 | 1847 | 1791 | 1714 | 1583 | 1525 |
| 17.5 | 1832 | 1747 | 1604 | 1383 | 1277 |
| 20.0 | 1806 | 1691 | 1459 | 1132 | 955 |
| 22.5 | 1764 | 1609 | 1267 | 677 | 152 |
| 25.0 | 1721 | 1512 | 1053 | 109 | 81 |
| 27.5 | 1664 | 1404 | 787 | 78 | 64 |
| 30.0 | 1585 | 1274 | 208 | 62 | 53 |
| 32.5 | 1506 | 1129 | 95 | 52 | 46 |
| 35.0 | 1411 | 984 | 71 | 46 | 43 |
| 37.5 | 1309 | 839 | 59 | 43 | 39 |
| 40.0 | 1207 | 698 | 48 | 38 | 32 |
| 42.5 | 1099 | 573 | 43 | 31 | 23 |
| 45.0 | 995 | 406 | 39 | 22 | 17 |
| 47.5 | 888 | 171 | 35 | 17 | 15 |
| 50.0 | 784 | 96 | 29 | 14 | 11 |
| 52.5 | 682 | 61 | 20 | 11 | 0 |
| 55.0 | 584 | 47 | 16 | 0 | 0 |
| 57.5 | 495 | 36 | 13 | 0 | 0 |
| 60.0 | 414 | 30 | 9 | 0 | 0 |
| 62.5 | 343 | 27 | 0 | 0 | 0 |
| 65.0 | 282 | 22 | 0 | 0 | 0 |
| 67.5 | 229 | 15 | 0 | 0 | 0 |
| 70.0 | 187 | 11 | 0 | 0 | 0 |
| 72.5 | 151 | 8 | 0 | 0 | 0 |
| 75.0 | 121 | 0 | 0 | 0 | 0 |
| 77.5 | 94 | 0 | 0 | 0 | 0 |
| 80.0 | 69 | 0 | 0 | 0 | 0 |
| 82.5 | 45 | 0 | 0 | 0 | 0 |
| 85.0 | 23 | 0 | 0 | 0 | 0 |
| 87.5 | 8 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 |



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120.0Vac, 60.00Hz, 0.1552A, 18.52W, 0.994PF, 5.3%THD(i)

Intensity data (cd)

| Gamma | C-Plane | | | | |
|-------|---------|--------|------|--------|------|
| | C90 | C112.5 | C135 | C157.5 | C180 |
| 90.0 | 0 | 0 | 0 | 0 | 0 |
| 92.5 | 0 | 0 | 0 | 0 | 0 |
| 95.0 | 0 | 0 | 0 | 0 | 0 |
| 97.5 | 0 | 0 | 0 | 0 | 0 |
| 100.0 | 0 | 0 | 0 | 0 | 0 |
| 102.5 | 0 | 0 | 0 | 0 | 0 |
| 105.0 | 0 | 0 | 0 | 0 | 0 |
| 107.5 | 0 | 0 | 0 | 0 | 0 |
| 110.0 | 0 | 0 | 0 | 0 | 0 |
| 112.5 | 0 | 0 | 0 | 0 | 0 |
| 115.0 | 0 | 0 | 0 | 0 | 0 |
| 117.5 | 0 | 0 | 0 | 0 | 0 |
| 120.0 | 0 | 0 | 0 | 0 | 0 |
| 122.5 | 0 | 0 | 0 | 0 | 0 |
| 125.0 | 0 | 0 | 0 | 0 | 0 |
| 127.5 | 0 | 0 | 0 | 0 | 0 |
| 130.0 | 0 | 0 | 0 | 0 | 0 |
| 132.5 | 0 | 0 | 0 | 0 | 0 |
| 135.0 | 0 | 0 | 0 | 0 | 0 |
| 137.5 | 0 | 0 | 0 | 0 | 0 |
| 140.0 | 0 | 0 | 0 | 0 | 0 |
| 142.5 | 0 | 0 | 0 | 0 | 0 |
| 145.0 | 0 | 0 | 0 | 0 | 0 |
| 147.5 | 0 | 0 | 0 | 0 | 0 |
| 150.0 | 0 | 0 | 0 | 0 | 0 |
| 152.5 | 0 | 0 | 0 | 0 | 0 |
| 155.0 | 0 | 0 | 0 | 0 | 0 |
| 157.5 | 0 | 0 | 0 | 0 | 0 |
| 160.0 | 0 | 0 | 0 | 0 | 0 |
| 162.5 | 0 | 0 | 0 | 0 | 0 |
| 165.0 | 0 | 0 | 0 | 0 | 0 |
| 167.5 | 0 | 0 | 0 | 0 | 0 |
| 170.0 | 0 | 0 | 0 | 0 | 0 |
| 172.5 | 0 | 0 | 0 | 0 | 0 |
| 175.0 | 0 | 0 | 0 | 0 | 0 |
| 177.5 | 0 | 0 | 0 | 0 | 0 |
| 180.0 | 0 | 0 | 0 | 0 | 0 |



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Coefficients Of Utilization - Zonal Cavity Method

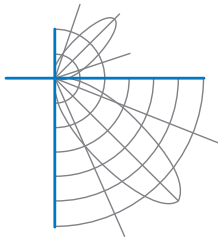
Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| | 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 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 100 | 98 | 95 | 96 | 94 | 92 | 92 | 91 | 89 | 87 |
| 2 | 103 | 97 | 92 | 87 | 101 | 95 | 90 | 86 | 91 | 87 | 84 | 88 | 85 | 82 | 85 | 82 | 80 | 78 |
| 3 | 97 | 88 | 82 | 77 | 94 | 87 | 81 | 76 | 84 | 79 | 75 | 81 | 77 | 73 | 78 | 75 | 72 | 70 |
| 4 | 91 | 81 | 74 | 69 | 88 | 80 | 73 | 68 | 77 | 72 | 67 | 75 | 70 | 66 | 73 | 69 | 65 | 63 |
| 5 | 85 | 75 | 68 | 62 | 83 | 74 | 67 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 68 | 63 | 60 | 58 |
| 6 | 80 | 69 | 62 | 57 | 78 | 68 | 61 | 56 | 66 | 60 | 56 | 65 | 59 | 55 | 63 | 58 | 55 | 53 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 49 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 51 | 47 | 55 | 51 | 47 | 45 |
| 9 | 67 | 56 | 49 | 45 | 66 | 56 | 49 | 45 | 54 | 49 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 |
| 10 | 64 | 53 | 46 | 42 | 63 | 52 | 46 | 42 | 51 | 45 | 41 | 50 | 45 | 41 | 49 | 45 | 41 | 40 |

For absolute test reports, CUs are expressed as a percentage of total lumen output. Calculations were based on published IES procedures, and are based on the zonal cavity method. Basic assumptions: 1) Room surfaces are lambertian reflectors. 2) Incident flux on each surface is uniformly distributed. 3) The room is spectrally neutral. When luminaires are not evenly distributed throughout the room, or do not exhibit lateral symmetry, CU values may differ from actual performance.

Circle of Light Plot

| Height(ft) | Illuminance at Nadir (fc) | Beam Width (across 50% Nadir Illum) | |
|------------|---------------------------|--|--------|
| | | 0-180 | 90-270 |
| 6.0 | 52.0 | 4.18 | 7.46 |
| 8.0 | 29.2 | 5.57 | 9.95 |
| 10.0 | 18.7 | 6.96 | 12.43 |
| 12.0 | 13.0 | 8.36 | 14.92 |
| 14.0 | 9.5 | 9.75 | 17.40 |
| 16.0 | 7.3 | 11.14 | 19.89 |



Test Report No. LLIA000977-008A

Catalog Number: PSWW3-MO-K40-80-4-XXX-XX-OP-UNV-XXX

Recessed mounted, extruded aluminum housing, no enclosure.

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One Osram Optotronic OTi 30/120-277/1A0 DIM L LED driver
120.0Vac, 60.00Hz, 0.1552A, 18.52W, 0.994PF, 5.3%THD(i)





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120.0Vac, 60.00Hz, 0.1552A, 18.52W, 0.994PF, 5.3%THD(i)

Test Distance 9.5 m
Test Temperature 25.0 °C

Notes

The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Tested in accordance with the applicable sections of publications: IES LM-79-08 (Sec. 12), IES LM-16-93, IES LM-58-13, CIE 13.3:1995, CIE 15:2004, ANSI C78.377:2015, ANSI C82.77-10:2014.

The luminous intensity values, and other derived quantities, contained in this report are based on the absolute data, as measured.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections.

Photometric intensity values are reported using the CIE Gamma coordinate system as defined in CIE publication number 121.

This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with * are not covered.

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the Federal Government.



Report of Test

LLIA000977-008B

Integrating Sphere Report

Catalog Number: PSWW3-MO-K40-80-4-XXX-XX-OP-UNV-XXX

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One PAL-Lighting LED board with 88 LEDs and clear prismatic plastic lenses below LEDs.

One Osram Optotronic OTi 30/120-277/1A0 DIM L LED driver



Performance Summary

| | |
|--------------|-----------|
| Voltage | 120.0 Vac |
| Current | 0.1554 A |
| Power | 18.55 W |
| Frequency | 59.97 Hz |
| Power Factor | 0.995 |
| Current THD | 5.3 % |

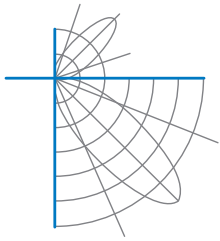
| | |
|---------------------|------------------|
| Total Luminous Flux | 2201.1 lm |
| Efficacy | 118.7 lm/W |
| Chromaticity (x,y) | (0.3783, 0.3751) |
| (u',v') | (0.2244, 0.5005) |
| Duv | -0.0002 |
| CCT | 4046 K |
| CRI (Ra) | 85 |
| R9 | 21 |
| TM-30: Rf | 83 |
| TM-30: Rg | 95 |

Prepared For:

Precision Architectural Lighting
4830 Timber Creek Drive
Houston, TX 77017, USA

Test date: 04/26/2018

Report date: 05/02/2018



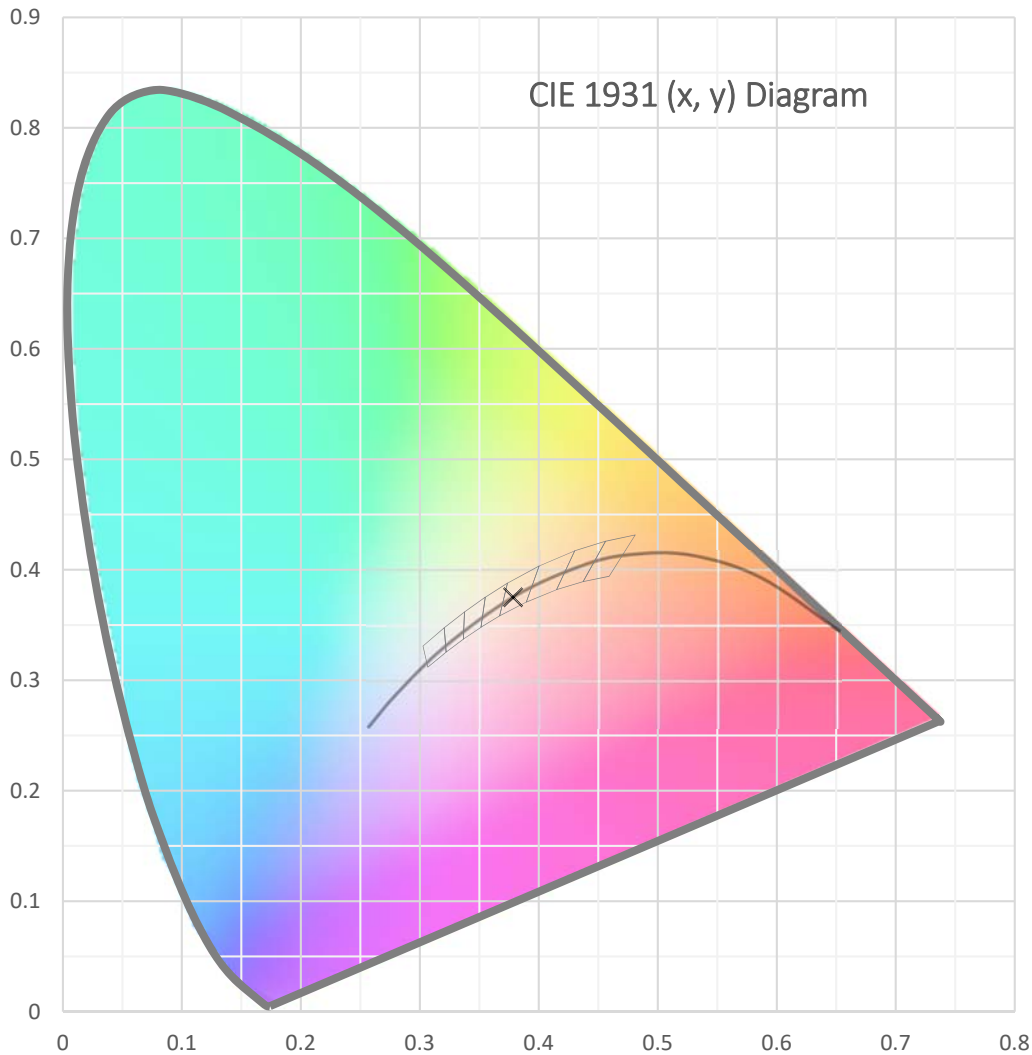
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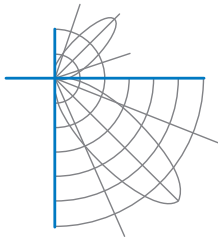
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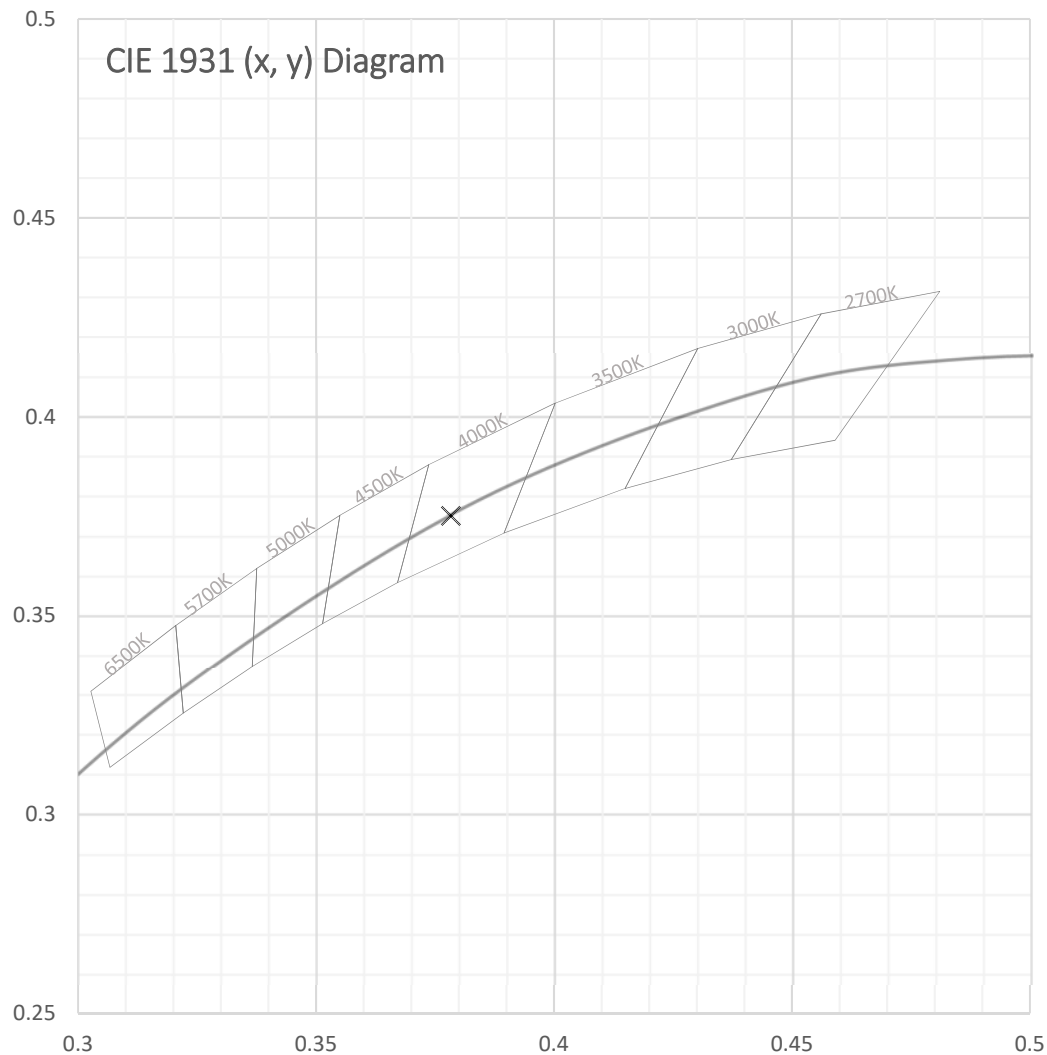
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Spectral Data

| | |
|-------------------------------------|------------------|
| Total Radiant Flux | 6.897 W |
| Total Luminous Flux | 2201.1 Lm |
| Chromaticity CIE 1931 (x, y) | (0.3783, 0.3751) |
| Chromaticity CIE 1976 (u', v') | (0.2244, 0.5005) |
| Correlated Color Temperature (CCT) | 4046 K |
| Color Rendering Index (Ra) | 85 |
| R1 | 84 |
| R2 | 91 |
| R3 | 95 |
| R4 | 83 |
| R5 | 84 |
| R6 | 87 |
| R7 | 87 |
| R8 | 69 |
| R9 | 21 |
| R10 | 78 |
| R11 | 82 |
| R12 | 62 |
| R13 | 86 |
| R14 | 98 |
| TM-30: Rf | 83 |
| TM-30: Rg | 95 |
| Distance from Planckian Locus (Duv) | -0.0002 |
| Scotopic/Photopic Ratio * | 1.730 |

Electrical Data

| | |
|--------------|-----------|
| Voltage | 120.0 Vac |
| Current | 0.1554 A |
| Power | 18.55 W |
| Frequency | 59.97 Hz |
| Power Factor | 0.995 |
| Current THD | 5.3 % |



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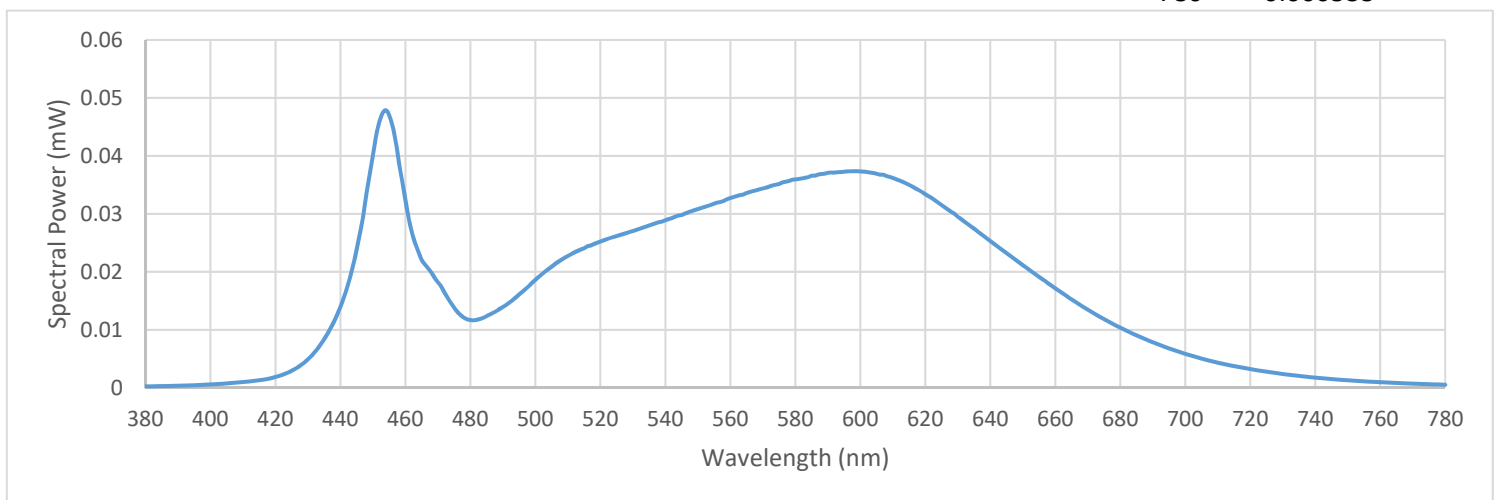
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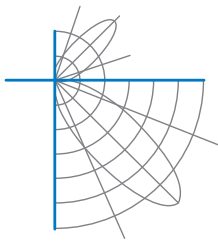
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One Osram Optotronic OTi 30/120-277/1A0 DIM L LED driver

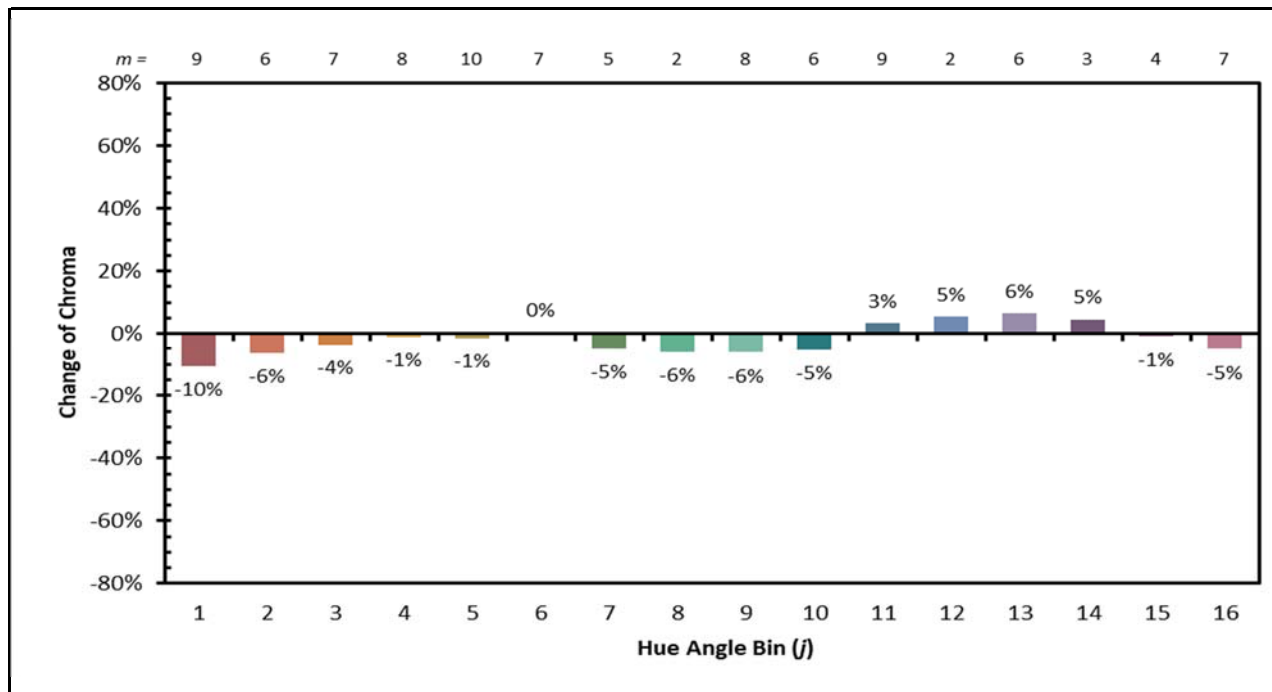
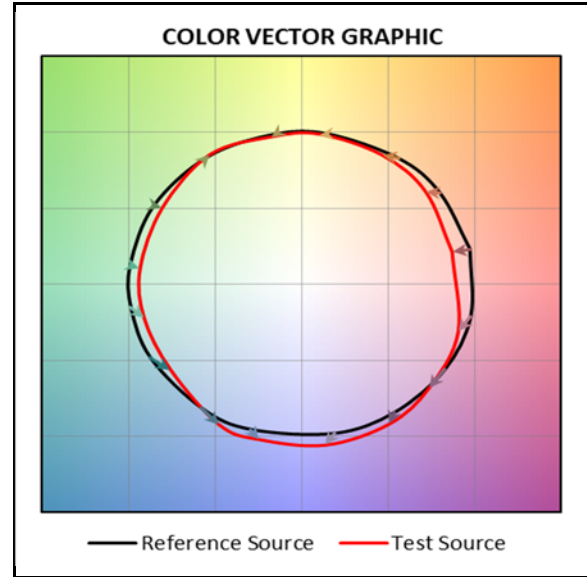
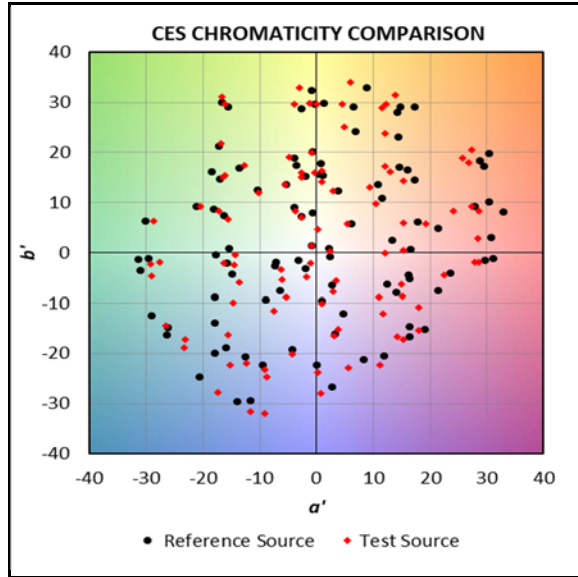
Summary Spectral Power Distribution (wavelength - nm, spectral power - mW)

| | | | | | | | |
|-----|----------|-----|----------|-----|----------|-----|----------|
| 380 | 0.000245 | 480 | 0.011701 | 580 | 0.035931 | 680 | 0.010358 |
| 385 | 0.000271 | 485 | 0.012362 | 585 | 0.036570 | 685 | 0.009050 |
| 390 | 0.000340 | 490 | 0.013929 | 590 | 0.037074 | 690 | 0.007849 |
| 395 | 0.000438 | 495 | 0.016100 | 595 | 0.037273 | 695 | 0.006777 |
| 400 | 0.000581 | 500 | 0.018647 | 600 | 0.037314 | 700 | 0.005862 |
| 405 | 0.000757 | 505 | 0.020868 | 605 | 0.036930 | 705 | 0.005031 |
| 410 | 0.000972 | 510 | 0.022728 | 610 | 0.036185 | 710 | 0.004326 |
| 415 | 0.001290 | 515 | 0.024068 | 615 | 0.035005 | 715 | 0.003747 |
| 420 | 0.001862 | 520 | 0.025227 | 620 | 0.033380 | 720 | 0.003225 |
| 425 | 0.002919 | 525 | 0.026156 | 625 | 0.031493 | 725 | 0.002767 |
| 430 | 0.004927 | 530 | 0.027035 | 630 | 0.029484 | 730 | 0.002380 |
| 435 | 0.008419 | 535 | 0.027993 | 635 | 0.027454 | 735 | 0.002036 |
| 440 | 0.013934 | 540 | 0.028893 | 640 | 0.025293 | 740 | 0.001739 |
| 445 | 0.023921 | 545 | 0.029798 | 645 | 0.023207 | 745 | 0.001494 |
| 450 | 0.040118 | 550 | 0.030812 | 650 | 0.021140 | 750 | 0.001289 |
| 455 | 0.047045 | 555 | 0.031765 | 655 | 0.019109 | 755 | 0.001110 |
| 460 | 0.032401 | 560 | 0.032723 | 660 | 0.017187 | 760 | 0.000960 |
| 465 | 0.022053 | 565 | 0.033617 | 665 | 0.015249 | 765 | 0.000829 |
| 470 | 0.018216 | 570 | 0.034393 | 670 | 0.013457 | 770 | 0.000714 |
| 475 | 0.013825 | 575 | 0.035153 | 675 | 0.011848 | 775 | 0.000616 |
| | | | | | | 780 | 0.000533 |





IES TM-30 Summary





Test Report Number: LLIA000977-008B

Catalog Number: PSWW3-MO-K40-80-4-XXX-XX-OP-UNV-XXX

Recessed mounted, extruded aluminum housing, no enclosure.

One PAL-Lighting LED board with 88 LEDs and clear prismatic plastic lenses below LEDs.

One Osram Optotronic OTi 30/120-277/1A0 DIM L LED driver

Test Equipment Configuration: LightLab International Allentown 2m Integrating Sphere
Measurements acquired using a Labsphere CDS 2600 spectroradiometer
Testing was performed using 4 π geometry

Test Temperature: 24.6 °C

Test Procedure: Tested in accordance with the applicable sections of:
LM-79-08, LM-78-07, LM-58-13, ANSI_ANSLG C78.377-2015,
ANSI C82-77-10:2014, TM-30-15

Significance: The laboratory has not participated in the selection of samples to be tested.
All testing is performed on the understanding that the significance of the report
is limited to the extent that the test sample is representative of production units.

Notes: The measurements and other derived quantities contained in this report
are based on the absolute data as measured.

Prorating the performance of the sample for the use of other component
combinations (such as lamp / LED / Ballast / driver), or for use in different
environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections

This report may contain data that are not covered by the NVLAP accreditation.
Quantities marked with * are not covered.