

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P827653

Luminaire Tested: **OHBL-12HE-W-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827653
REPORT IS A COMBINATION OF REPORTS P826052 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12HE-W-UNV-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

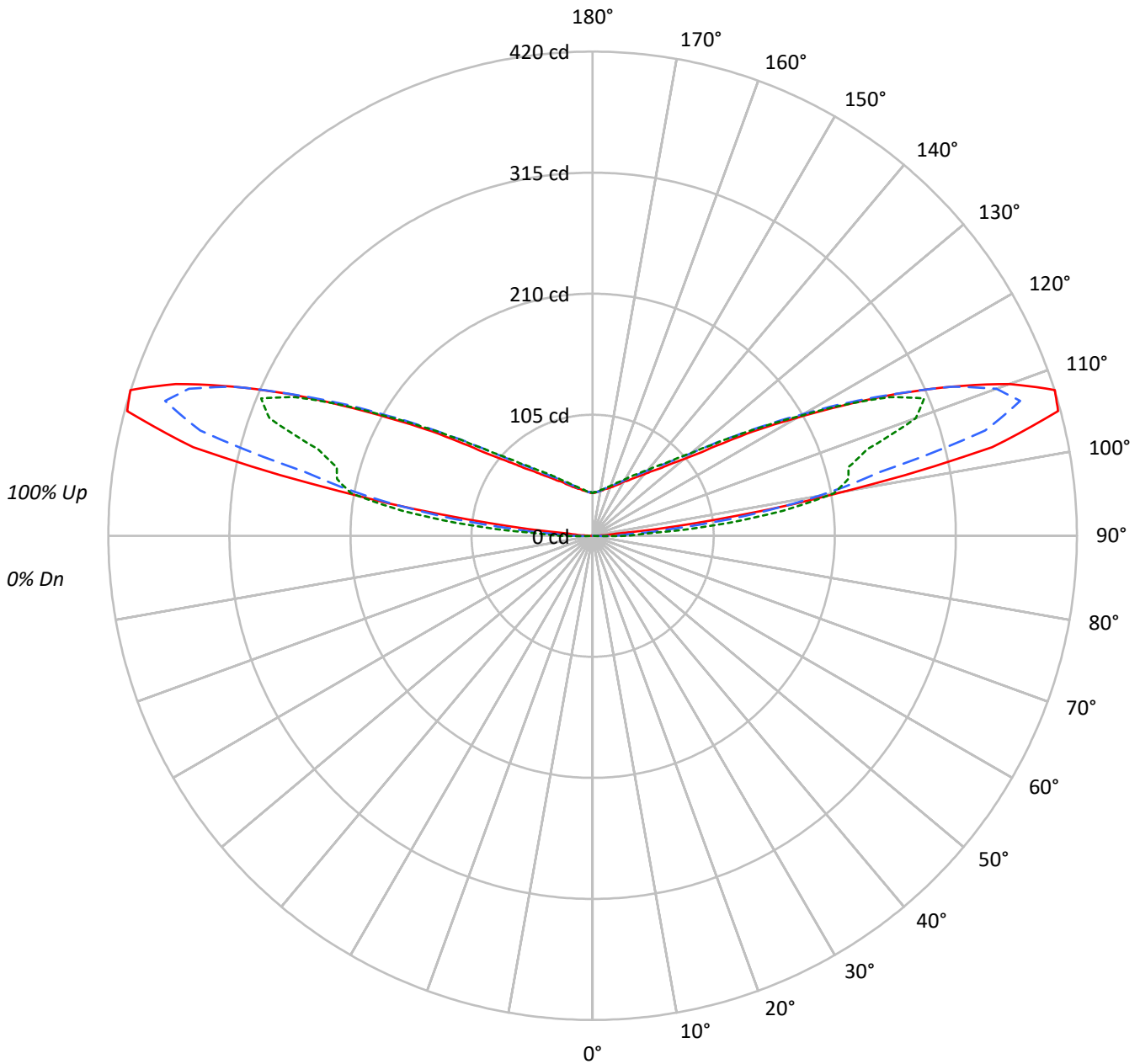
Lumens per Lamp: N/A
Luminaire Lumens: 1006.6 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Indirect

Input Watts (W): 8.4
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: 25 FT

TEST NUMBER: P827653

CATALOG NUMBER: OHBL-12HE-W-UNV-L930-CD-UPL12

Luminous Intensity Polar Plot





TEST NUMBER: P827653

CATALOG NUMBER: OHBL-12HE-W-UNV-L930-CD-UPL12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | | | | | | | | | | | | | | | | |
| 1 | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | | | | | | | | | | | | | | | | |
| 2 | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8 | 7 | 7 | 7 | 7 | 7 | 0 | | | | | | | | | | | | | | | | |
| 3 | 72 | 63 | 56 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7 | 6 | 6 | 6 | 6 | 6 | 0 | | | | | | | | | | | | | | | | |
| 4 | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6 | 6 | 5 | 5 | 5 | 5 | 0 | | | | | | | | | | | | | | | | |
| 5 | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5 | 5 | 4 | 4 | 4 | 4 | 0 | | | | | | | | | | | | | | | | |
| 6 | 55 | 44 | 36 | 31 | 47 | 38 | 31 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5 | 4 | 4 | 4 | 4 | 4 | 0 | | | | | | | | | | | | | | | | |
| 7 | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4 | 4 | 3 | 3 | 3 | 3 | 0 | | | | | | | | | | | | | | | | |
| 8 | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9 | 4 | 3 | 3 | 3 | 3 | 3 | 0 | | | | | | | | | | | | | | | | |
| 9 | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9 | 8 | 4 | 3 | 2 | 2 | 2 | 2 | 0 | | | | | | | | | | | | | | | | |
| 10 | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8 | 7 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|----|-----|-----|
| 0° | 0 | 0 | 0 |
| 5° | 0 | 0 | 0 |
| 10° | 0 | 0 | 0 |
| 15° | 0 | 0 | 0 |
| 20° | 0 | 0 | 0 |
| 25° | 0 | 0 | 0 |
| 30° | 0 | 0 | 0 |
| 35° | 0 | 0 | 0 |
| 40° | 0 | 0 | 0 |
| 45° | 0 | 0 | 0 |
| 50° | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P827653

CATALOG NUMBER: OHBL-12HE-W-UNV-L930-CD-UPL12

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.0 | 0.0 |
| 10°-20° | 0.0 | 0.0 |
| 20°-30° | 0.0 | 0.0 |
| 30°-40° | 0.0 | 0.0 |
| 40°-50° | 0.0 | 0.0 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 2.6 | 0.3 |
| 90°-100° | 96.2 | 9.6 |
| 100°-110° | 334.6 | 33.2 |
| 110°-120° | 287.4 | 28.6 |
| 120°-130° | 137.7 | 13.7 |
| 130°-140° | 68.9 | 6.8 |
| 140°-150° | 40.1 | 4.0 |
| 150°-160° | 23.4 | 2.3 |
| 160°-170° | 12.1 | 1.2 |
| 170°-180° | 3.7 | 0.4 |
| 0°-30° | 0.0 | 0.0 |
| 0°-40° | 0.0 | 0.0 |
| 0°-60° | 0.0 | 0.0 |
| 0°-90° | 2.6 | 0.3 |
| 90°-120° | 718.2 | 71.3 |
| 90°-150° | 964.9 | 95.9 |
| 90°-180° | 1004.0 | 99.7 |
| 0°-180° | 1006.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 0 | 0 | 0 | 0 | 0 | |
| 5° | 0 | 0 | 0 | 0 | 0 | 0 |
| 15° | 0 | 0 | 0 | 0 | 0 | 0 |
| 25° | 0 | 0 | 0 | 0 | 0 | 0 |
| 35° | 0 | 0 | 0 | 0 | 0 | 0 |
| 45° | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 2 | 15 | 19 | 25 | 28 | 2 |
| 95° | 20 | 47 | 70 | 94 | 108 | 66 |
| 105° | 418 | 413 | 352 | 250 | 230 | 395 |
| 115° | 291 | 291 | 292 | 289 | 284 | 291 |
| 125° | 142 | 148 | 151 | 150 | 150 | 133 |
| 135° | 82 | 85 | 88 | 89 | 89 | 66 |
| 145° | 61 | 62 | 63 | 64 | 65 | 38 |
| 155° | 48 | 49 | 50 | 51 | 51 | 23 |
| 165° | 42 | 42 | 43 | 43 | 43 | 12 |
| 175° | 38 | 38 | 38 | 38 | 38 | 4 |
| 180° | 37 | 37 | 37 | 37 | 37 | |



TEST NUMBER: P827653

CATALOG NUMBER: OHBL-12HE-W-UNV-L930-CD-UPL12

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 2.4 | 14.6 | 19.4 | 25.1 | 28.3 |
| 92.5° | 7.3 | 18.6 | 30.7 | 43.6 | 47.7 |
| 95° | 20.2 | 46.9 | 69.5 | 93.8 | 108.3 |
| 97.5° | 109.1 | 118.8 | 134.2 | 158.4 | 166.5 |
| 100° | 223.1 | 240.1 | 199.7 | 208.6 | 212.6 |
| 102.5° | 354.9 | 350.0 | 255.4 | 231.2 | 227.1 |
| 105° | 417.9 | 413.1 | 352.4 | 249.8 | 229.6 |



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CATALOG NUMBER: OHBL-12HE-W-UNV-L930-CD-UPL12

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 112.5° | 337.9 | 340.3 | 337.9 | 325.0 | 311.2 |
| 115° | 291.0 | 291.0 | 291.8 | 289.4 | 284.5 |
| 117.5° | 244.1 | 247.4 | 249.8 | 247.4 | 245.7 |
| 120° | 204.5 | 209.4 | 211.0 | 207.7 | 207.7 |
| 122.5° | 172.2 | 176.2 | 178.6 | 176.2 | 177.0 |
| 125° | 142.3 | 147.9 | 151.2 | 149.5 | 150.4 |
| 127.5° | 118.8 | 123.7 | 129.3 | 128.5 | 128.5 |
| 130° | 103.5 | 106.7 | 110.7 | 111.6 | 111.6 |
| 132.5° | 92.2 | 94.6 | 97.8 | 98.6 | 99.4 |
| 135° | 82.4 | 84.9 | 88.1 | 88.9 | 88.9 |
| 137.5° | 76.0 | 77.6 | 80.0 | 80.8 | 81.6 |
| 140° | 69.5 | 71.9 | 73.6 | 74.4 | 74.4 |
| 142.5° | 64.7 | 66.3 | 67.9 | 68.7 | 69.5 |
| 145° | 60.6 | 62.2 | 63.0 | 63.9 | 64.7 |
| 147.5° | 56.6 | 58.2 | 59.8 | 59.8 | 60.6 |
| 150° | 54.2 | 55.0 | 55.8 | 56.6 | 56.6 |
| 152.5° | 50.9 | 51.7 | 52.5 | 53.4 | 53.4 |
| 155° | 48.5 | 49.3 | 50.1 | 50.9 | 50.9 |
| 157.5° | 46.1 | 47.7 | 47.7 | 48.5 | 48.5 |
| 160° | 44.5 | 45.3 | 46.1 | 46.1 | 46.1 |
| 162.5° | 42.8 | 43.6 | 43.6 | 44.5 | 44.5 |
| 165° | 42.0 | 42.0 | 42.8 | 42.8 | 42.8 |
| 167.5° | 40.4 | 40.4 | 41.2 | 41.2 | 41.2 |
| 170° | 39.6 | 39.6 | 39.6 | 40.4 | 40.4 |
| 172.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 175° | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| 177.5° | 37.2 | 38.0 | 38.0 | 38.0 | 38.0 |
| 180° | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







| | | | | | |
|--------|-------|-------|-------|-------|-------|
| 107.5° | 420.3 | 422.0 | 388.8 | 301.5 | 249.8 |
| 110° | 384.8 | 390.4 | 372.6 | 339.5 | 298.3 |



(END OF REPORT)