

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: PORTFOLIO

Report Number: P839374

Luminaire Tested: **LD4C70D010 EU4709030 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C70D010 EU4709030 4LBPSMW
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

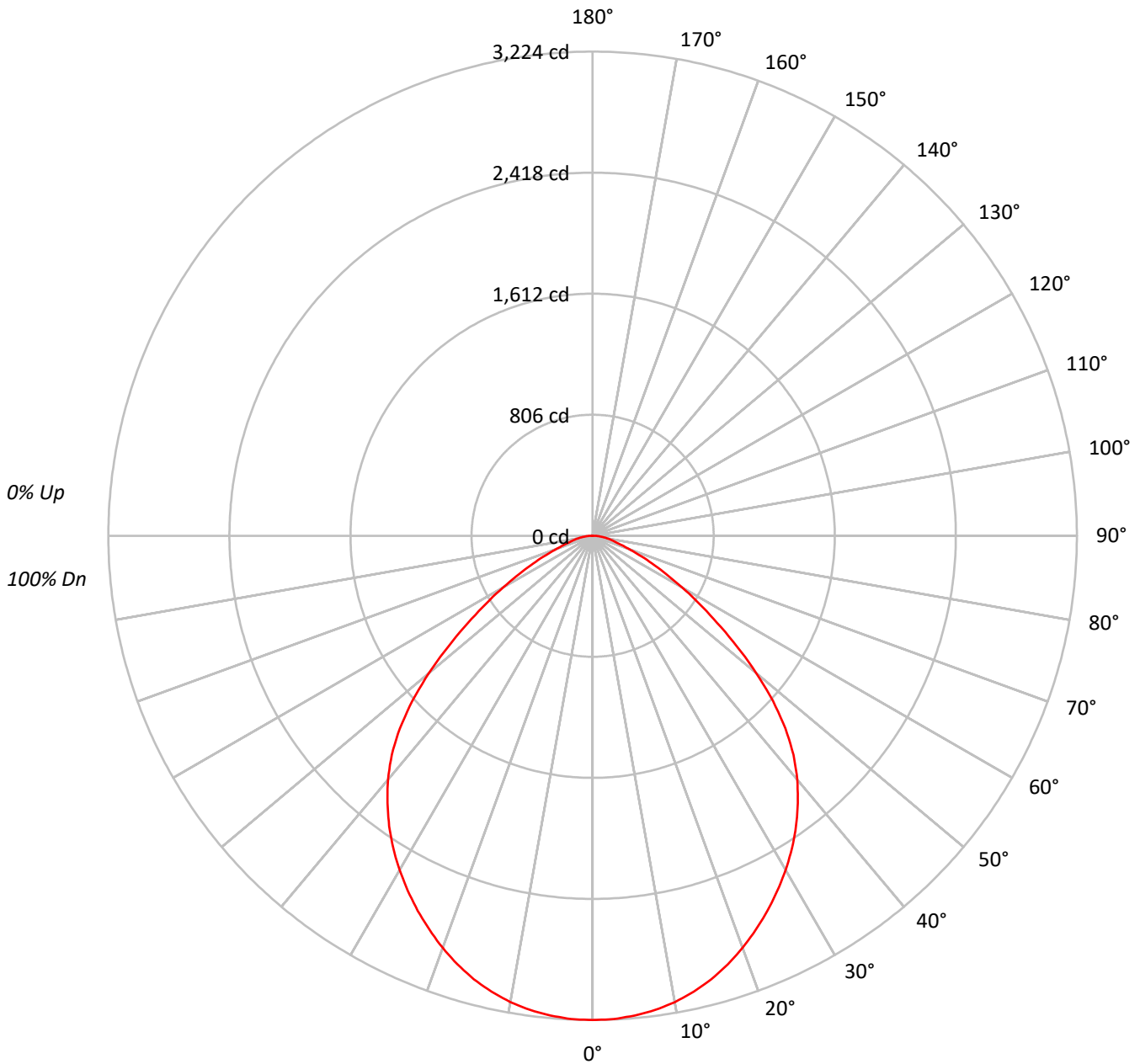
Lumens per Lamp: N/A
Luminaire Lumens: 6875.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V):
Input Current (A_{in}): 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: P839374

CATALOG NUMBER: LD4C70D010 EU4709030 4LBPSMW

Luminous Intensity Polar Plot





TEST NUMBER: P839374

CATALOG NUMBER: LD4C70D010 EU4709030 4LBPSMW

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | | | | | | | | | | | | | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 98 | 100 | 98 | 95 | 97 | 94 | 92 | 93 | 91 | 90 | 88 | | | | | | | | | | | | | | | | | | | |
| 2 | 102 | 95 | 89 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | | | | | | | | | | | | | | | | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | | | | | | | | | | | | | | | | | | | |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | | | | | | | | | | | | | | | | | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 60 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | | | | | | | | | | | | | | | | | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 46 | | | | | | | | | | | | | | | | | | | |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 43 | 55 | 48 | 43 | 54 | 47 | 43 | 52 | 47 | 43 | 41 | | | | | | | | | | | | | | | | | | | |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | | | | | | | | | | | | | | | | | |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | | | | | | | | | | | | | | | |
| 10 | 57 | 45 | 37 | 32 | 56 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 42 | 36 | 32 | 30 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° |
|-----|--------|
| 0° | 396116 |
| 5° | 395471 |
| 10° | 393320 |
| 15° | 388773 |
| 20° | 381716 |
| 25° | 373437 |
| 30° | 364549 |
| 35° | 354154 |
| 40° | 339896 |
| 45° | 315305 |
| 50° | 271628 |
| 55° | 216673 |
| 60° | 168678 |
| 65° | 126278 |
| 70° | 91632 |
| 75° | 72672 |
| 80° | 68060 |
| 85° | 67801 |



TEST NUMBER: P839374

CATALOG NUMBER: LD4C70D010 EU4709030 4LBPSMW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 304.4 | 4.4 |
| 10°-20° | 860.8 | 12.5 |
| 20°-30° | 1268.6 | 18.5 |
| 30°-40° | 1473.7 | 21.4 |
| 40°-50° | 1385.2 | 20.1 |
| 50°-60° | 916.9 | 13.3 |
| 60°-70° | 441.8 | 6.4 |
| 70°-80° | 170.4 | 2.5 |
| 80°-90° | 53.2 | 0.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 2433.8 | 35.4 |
| 0°-40° | 3907.5 | 56.8 |
| 0°-60° | 6209.6 | 90.3 |
| 0°-90° | 6875.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6875.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 3224 | |
| 5° | 3207 | 304 |
| 15° | 3057 | 861 |
| 25° | 2755 | 1269 |
| 35° | 2361 | 1474 |
| 45° | 1815 | 1385 |
| 55° | 1012 | 917 |
| 65° | 434 | 442 |
| 75° | 153 | 170 |
| 85° | 48 | 53 |
| 90° | 0 | |



TEST NUMBER: P839374

CATALOG NUMBER: LD4C70D010 EU4709030 4LBPSMW

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 3224.3 |
| 2.5° | 3221.4 |
| 5° | 3206.8 |
| 7.5° | 3184.9 |
| 10° | 3152.9 |
| 12.5° | 3109.1 |
| 15° | 3056.7 |
| 17.5° | 2992.5 |
| 20° | 2919.7 |
| 22.5° | 2839.5 |
| 25° | 2754.9 |
| 27.5° | 2664.6 |
| 30° | 2569.8 |
| 32.5° | 2469.2 |
| 35° | 2361.4 |
| 37.5° | 2243.3 |
| 40° | 2119.4 |
| 42.5° | 1979.5 |
| 45° | 1814.8 |
| 47.5° | 1628.2 |
| 50° | 1421.2 |
| 52.5° | 1211.3 |
| 55° | 1011.6 |
| 57.5° | 839.6 |
| 60° | 686.5 |
| 62.5° | 549.5 |
| 65° | 434.4 |
| 67.5° | 336.7 |
| 70° | 255.1 |
| 72.5° | 193.9 |
| 75° | 153.1 |
| 77.5° | 123.9 |
| 80° | 96.2 |
| 82.5° | 71.4 |
| 85° | 48.1 |
| 87.5° | 27.7 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)