

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: P839236

Luminaire Tested: **LD4C25D010 EU4259027 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839236
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: LD4C25D010 EU4259027 4LBPSMW
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

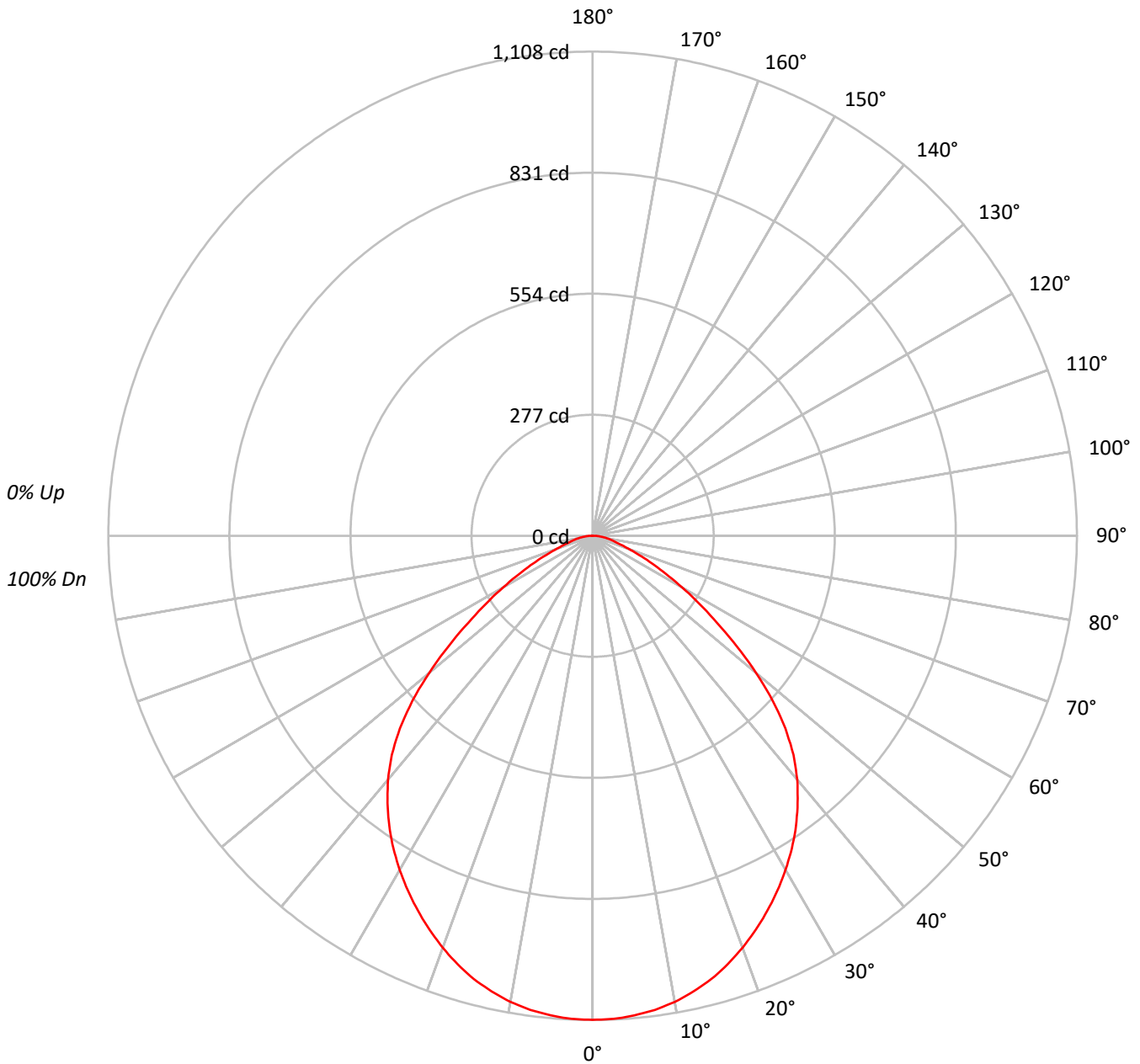
Lumens per Lamp: N/A
Luminaire Lumens: 2362.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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: P839236

CATALOG NUMBER: LD4C25D010 EU4259027 4LBPSMW

Luminous Intensity Polar Plot





TEST NUMBER: P839236

CATALOG NUMBER: LD4C25D010 EU4259027 4LBPSMW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 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 | 50 | 30 | 10 |
| 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° | 136097 |
| 5° | 135865 |
| 10° | 135128 |
| 15° | 133572 |
| 20° | 131143 |
| 25° | 128302 |
| 30° | 125247 |
| 35° | 121676 |
| 40° | 116784 |
| 45° | 108328 |
| 50° | 93327 |
| 55° | 74431 |
| 60° | 57962 |
| 65° | 43372 |
| 70° | 31466 |
| 75° | 24968 |
| 80° | 23418 |
| 85° | 23258 |



TEST NUMBER: P839236

CATALOG NUMBER: LD4C25D010 EU4259027 4LBPSMW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 104.6 | 4.4 |
| 10°-20° | 295.8 | 12.5 |
| 20°-30° | 435.8 | 18.5 |
| 30°-40° | 506.3 | 21.4 |
| 40°-50° | 475.9 | 20.1 |
| 50°-60° | 315.0 | 13.3 |
| 60°-70° | 151.8 | 6.4 |
| 70°-80° | 58.6 | 2.5 |
| 80°-90° | 18.2 | 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° | 836.2 | 35.4 |
| 0°-40° | 1342.5 | 56.8 |
| 0°-60° | 2133.4 | 90.3 |
| 0°-90° | 2362.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2362.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1108 | |
| 5° | 1102 | 105 |
| 15° | 1050 | 296 |
| 25° | 946 | 436 |
| 35° | 811 | 506 |
| 45° | 624 | 476 |
| 55° | 348 | 315 |
| 65° | 149 | 152 |
| 75° | 53 | 59 |
| 85° | 16 | 18 |
| 90° | 0 | |



TEST NUMBER: P839236

CATALOG NUMBER: LD4C25D010 EU4259027 4LBPSMW

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1107.8 |
| 2.5° | 1106.8 |
| 5° | 1101.7 |
| 7.5° | 1094.2 |
| 10° | 1083.2 |
| 12.5° | 1068.2 |
| 15° | 1050.2 |
| 17.5° | 1028.1 |
| 20° | 1003.1 |
| 22.5° | 975.5 |
| 25° | 946.5 |
| 27.5° | 915.4 |
| 30° | 882.9 |
| 32.5° | 848.3 |
| 35° | 811.3 |
| 37.5° | 770.7 |
| 40° | 728.2 |
| 42.5° | 680.1 |
| 45° | 623.5 |
| 47.5° | 559.4 |
| 50° | 488.3 |
| 52.5° | 416.2 |
| 55° | 347.5 |
| 57.5° | 288.5 |
| 60° | 235.9 |
| 62.5° | 188.8 |
| 65° | 149.2 |
| 67.5° | 115.7 |
| 70° | 87.6 |
| 72.5° | 66.6 |
| 75° | 52.6 |
| 77.5° | 42.6 |
| 80° | 33.1 |
| 82.5° | 24.5 |
| 85° | 16.5 |
| 87.5° | 9.5 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)