

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: P857337

Luminaire Tested: **LX4C25D010 EX4C259027 4LBMDH**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P857337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C25D010 EX4C259027 4LBMDH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

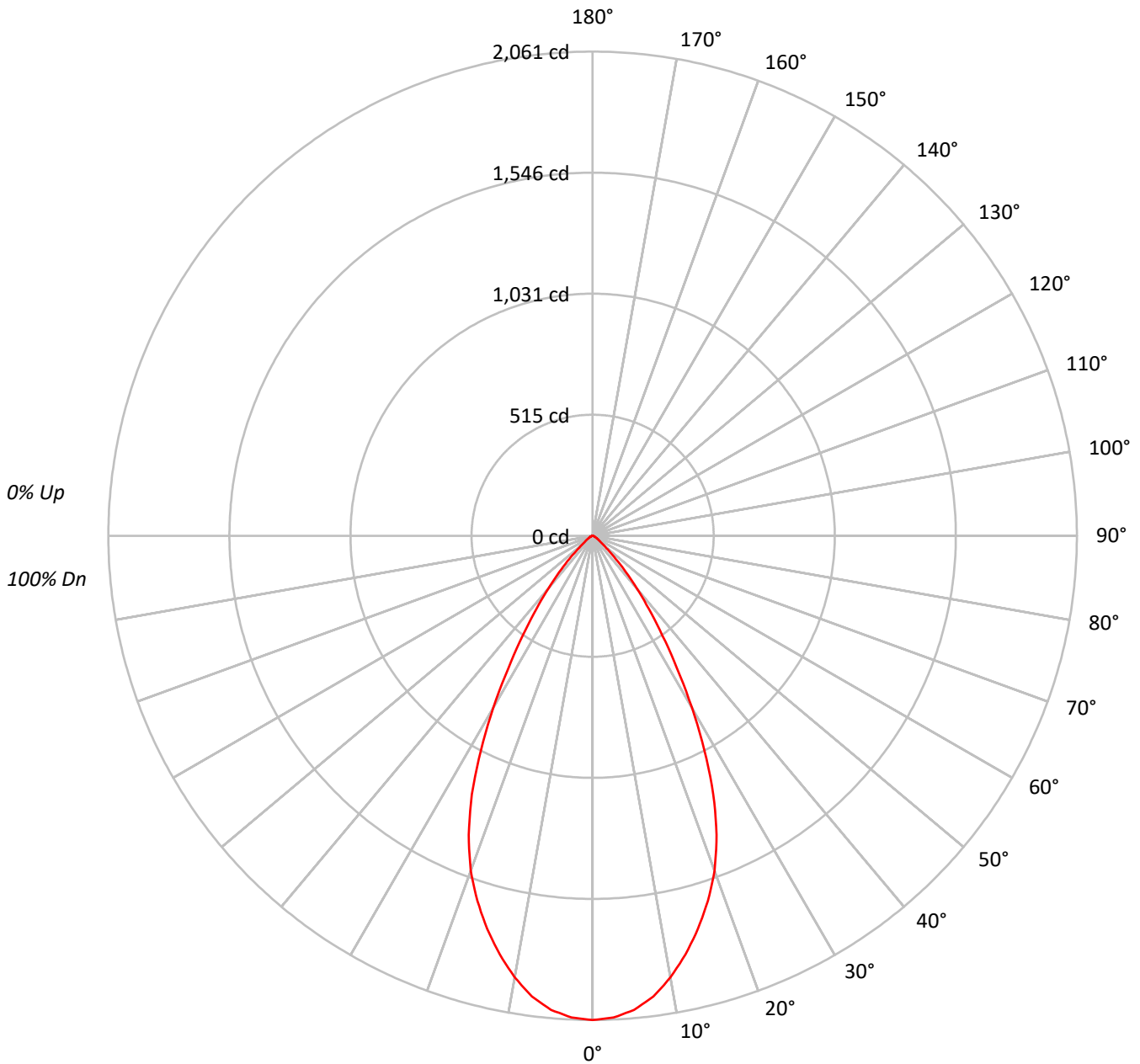
Lumens per Lamp: N/A
Luminaire Lumens: 1710.9 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | |
| 1 | 113 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 104 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 93 | | | |
| 2 | 108 | 103 | 99 | 95 | 106 | 101 | 97 | 94 | 98 | 95 | 92 | 95 | 92 | 90 | 92 | 90 | 88 | 87 | | | |
| 3 | 102 | 96 | 91 | 87 | 100 | 94 | 90 | 86 | 92 | 88 | 85 | 89 | 86 | 83 | 87 | 84 | 82 | 81 | | | |
| 4 | 97 | 90 | 84 | 80 | 95 | 88 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 77 | 75 | | | |
| 5 | 92 | 84 | 78 | 74 | 91 | 83 | 77 | 73 | 81 | 76 | 73 | 79 | 75 | 72 | 78 | 74 | 71 | 70 | | | |
| 6 | 88 | 79 | 73 | 68 | 86 | 78 | 72 | 68 | 76 | 71 | 68 | 75 | 71 | 67 | 74 | 70 | 67 | 65 | | | |
| 7 | 83 | 74 | 68 | 64 | 82 | 73 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 61 | | | |
| 8 | 79 | 70 | 64 | 60 | 78 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 57 | | | |
| 9 | 76 | 66 | 60 | 56 | 74 | 65 | 60 | 56 | 64 | 59 | 56 | 64 | 59 | 56 | 63 | 58 | 55 | 54 | | | |
| 10 | 72 | 62 | 57 | 53 | 71 | 62 | 56 | 53 | 61 | 56 | 53 | 60 | 56 | 52 | 60 | 55 | 52 | 51 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 253238 |
| 5° | 249815 |
| 10° | 238095 |
| 15° | 220327 |
| 20° | 198329 |
| 25° | 164766 |
| 30° | 119772 |
| 35° | 77643 |
| 40° | 46990 |
| 45° | 24220 |
| 50° | 10971 |
| 55° | 6597 |
| 60° | 4423 |
| 65° | 3169 |
| 70° | 2371 |
| 75° | 1566 |
| 80° | 990 |
| 85° | 705 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 189.6 | 11.1 |
| 10°-20° | 483.4 | 28.3 |
| 20°-30° | 546.6 | 31.9 |
| 30°-40° | 330.3 | 19.3 |
| 40°-50° | 115.7 | 6.8 |
| 50°-60° | 29.6 | 1.7 |
| 60°-70° | 11.3 | 0.7 |
| 70°-80° | 3.8 | 0.2 |
| 80°-90° | 0.6 | 0.0 |
| 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° | 1219.6 | 71.3 |
| 0°-40° | 1550.0 | 90.6 |
| 0°-60° | 1695.3 | 99.1 |
| 0°-90° | 1710.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1710.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2061 | |
| 5° | 2026 | 190 |
| 15° | 1732 | 483 |
| 25° | 1216 | 547 |
| 35° | 518 | 330 |
| 45° | 139 | 116 |
| 55° | 31 | 30 |
| 65° | 11 | 11 |
| 75° | 3 | 4 |
| 85° | 0 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 2061.3 |
| 2.5° | 2052.7 |
| 5° | 2025.7 |
| 7.5° | 1977.8 |
| 10° | 1908.6 |
| 12.5° | 1825.2 |
| 15° | 1732.3 |
| 17.5° | 1630.3 |
| 20° | 1517.0 |
| 22.5° | 1378.1 |
| 25° | 1215.5 |
| 27.5° | 1029.2 |
| 30° | 844.3 |
| 32.5° | 667.5 |
| 35° | 517.7 |
| 37.5° | 392.5 |
| 40° | 293.0 |
| 42.5° | 210.5 |
| 45° | 139.4 |
| 47.5° | 85.8 |
| 50° | 57.4 |
| 52.5° | 41.2 |
| 55° | 30.8 |
| 57.5° | 23.7 |
| 60° | 18.0 |
| 62.5° | 14.2 |
| 65° | 10.9 |
| 67.5° | 8.5 |
| 70° | 6.6 |
| 72.5° | 4.7 |
| 75° | 3.3 |
| 77.5° | 2.4 |
| 80° | 1.4 |
| 82.5° | 0.9 |
| 85° | 0.5 |
| 87.5° | 0.0 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)