

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: P859602

Luminaire Tested: **LX4C75D010 EX4C759050 4LBNH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C75D010 EX4C759050 4LBNH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

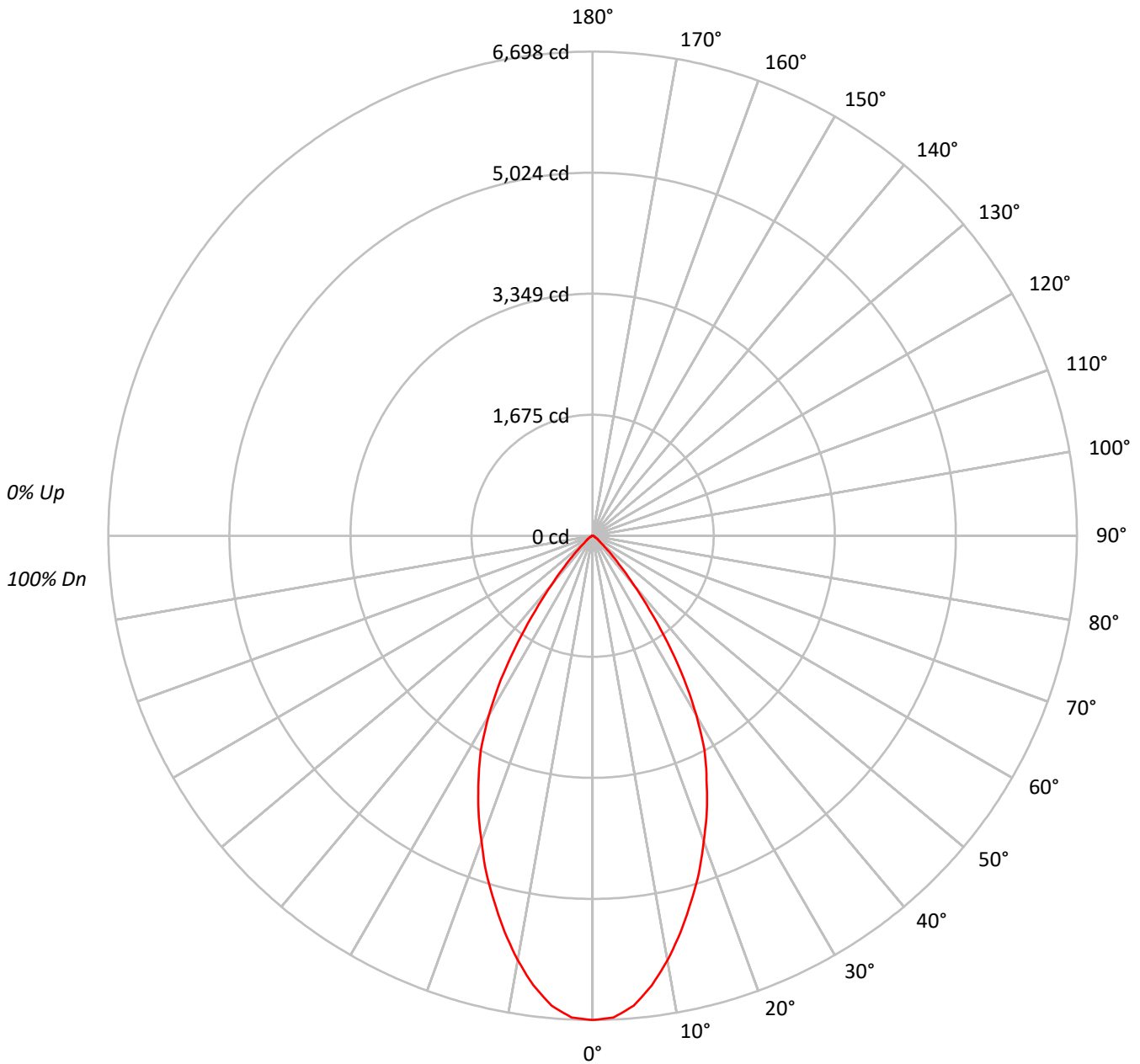
Lumens per Lamp: N/A
Luminaire Lumens: 5335.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
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

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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 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 93 | | | |
| 2 | 108 | 103 | 99 | 96 | 106 | 101 | 98 | 94 | 98 | 95 | 92 | 95 | 93 | 90 | 92 | 90 | 89 | 87 | | | |
| 3 | 102 | 96 | 91 | 87 | 100 | 95 | 90 | 86 | 92 | 88 | 85 | 90 | 86 | 84 | 87 | 85 | 82 | 81 | | | |
| 4 | 97 | 90 | 84 | 80 | 95 | 89 | 83 | 79 | 86 | 82 | 78 | 84 | 81 | 78 | 83 | 79 | 77 | 75 | | | |
| 5 | 92 | 84 | 78 | 74 | 91 | 83 | 78 | 73 | 81 | 76 | 73 | 80 | 75 | 72 | 78 | 74 | 72 | 70 | | | |
| 6 | 88 | 79 | 73 | 69 | 86 | 78 | 72 | 68 | 77 | 72 | 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 | 63 | 59 | 66 | 62 | 59 | 58 | | | |
| 9 | 76 | 66 | 60 | 56 | 74 | 65 | 60 | 56 | 65 | 59 | 56 | 64 | 59 | 56 | 63 | 59 | 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° | 822909 |
| 5° | 804595 |
| 10° | 743939 |
| 15° | 667530 |
| 20° | 587615 |
| 25° | 505711 |
| 30° | 407235 |
| 35° | 271097 |
| 40° | 141033 |
| 45° | 63832 |
| 50° | 27694 |
| 55° | 18592 |
| 60° | 11917 |
| 65° | 8459 |
| 70° | 6968 |
| 75° | 4604 |
| 80° | 0 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 604.3 | 11.3 |
| 10°-20° | 1465.9 | 27.5 |
| 20°-30° | 1702.0 | 31.9 |
| 30°-40° | 1127.1 | 21.1 |
| 40°-50° | 316.1 | 5.9 |
| 50°-60° | 79.4 | 1.5 |
| 60°-70° | 29.9 | 0.6 |
| 70°-80° | 10.2 | 0.2 |
| 80°-90° | 0.0 | 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° | 3772.3 | 70.7 |
| 0°-40° | 4899.4 | 91.8 |
| 0°-60° | 5294.9 | 99.2 |
| 0°-90° | 5335.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5335.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 6698 | |
| 5° | 6524 | 604 |
| 15° | 5248 | 1466 |
| 25° | 3731 | 1702 |
| 35° | 1808 | 1127 |
| 45° | 367 | 316 |
| 55° | 87 | 79 |
| 65° | 29 | 30 |
| 75° | 10 | 10 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 6698.3 |
| 2.5° | 6669.2 |
| 5° | 6524.3 |
| 7.5° | 6272.7 |
| 10° | 5963.5 |
| 12.5° | 5615.4 |
| 15° | 5248.4 |
| 17.5° | 4890.7 |
| 20° | 4494.6 |
| 22.5° | 4127.2 |
| 25° | 3730.7 |
| 27.5° | 3354.0 |
| 30° | 2870.7 |
| 32.5° | 2358.3 |
| 35° | 1807.6 |
| 37.5° | 1295.3 |
| 40° | 879.4 |
| 42.5° | 570.1 |
| 45° | 367.4 |
| 47.5° | 222.5 |
| 50° | 144.9 |
| 52.5° | 106.2 |
| 55° | 86.8 |
| 57.5° | 67.8 |
| 60° | 48.5 |
| 62.5° | 38.8 |
| 65° | 29.1 |
| 67.5° | 19.4 |
| 70° | 19.4 |
| 72.5° | 9.7 |
| 75° | 9.7 |
| 77.5° | 9.7 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)