

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: P683969

Luminaire Tested: **LX6C120D010 EX6C1209040 6LBMH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209040 6LBMH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

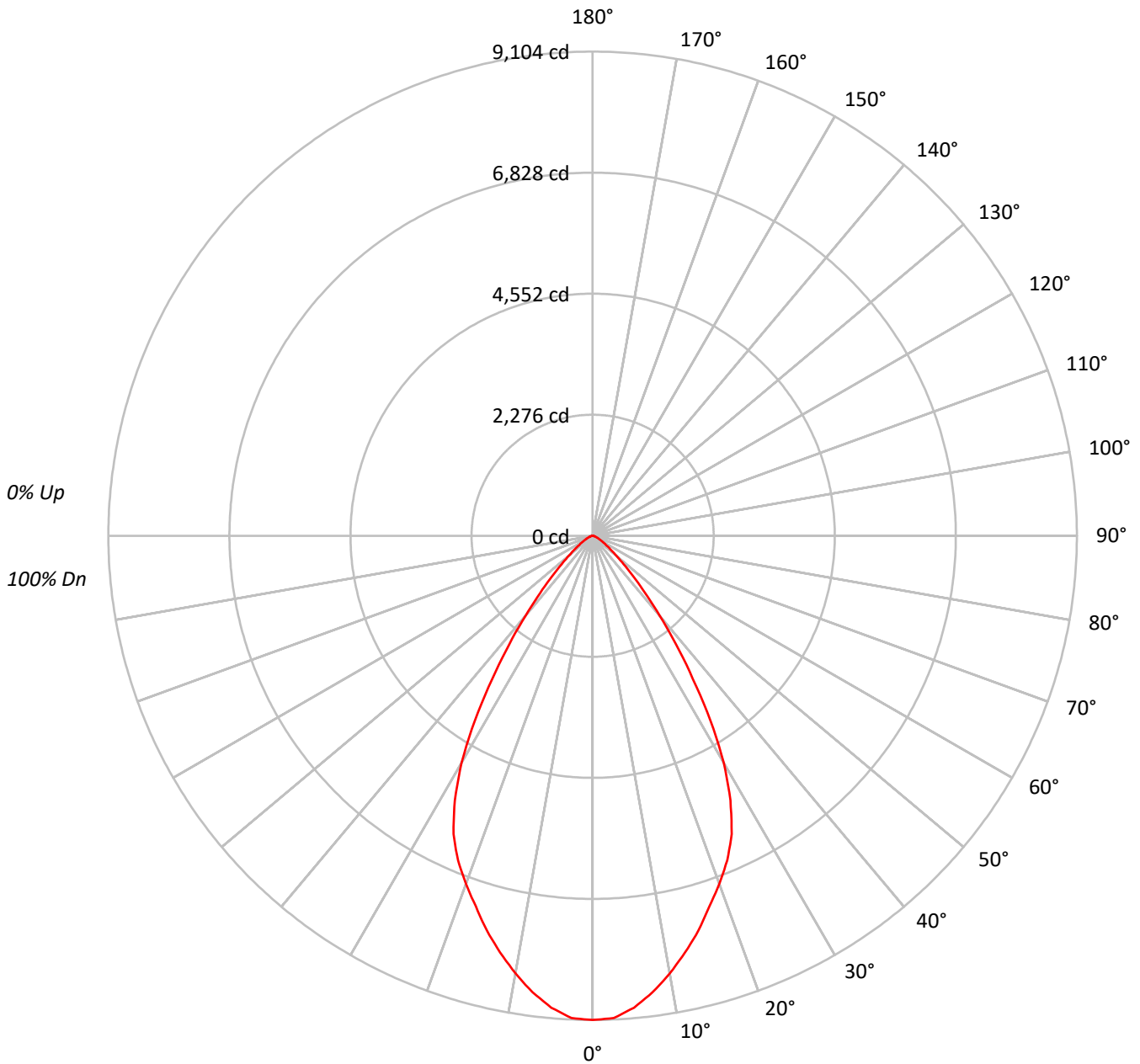
Lumens per Lamp: N/A
Luminaire Lumens: 9199.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 113 | 110 | 107 | 105 | 111 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 95 | 94 | 92 | | |
| 2 | 107 | 102 | 97 | 93 | 105 | 100 | 96 | 92 | 97 | 93 | 90 | 94 | 91 | 88 | 91 | 89 | 87 | 85 | | |
| 3 | 101 | 94 | 88 | 84 | 99 | 92 | 87 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 85 | 82 | 80 | 78 | | |
| 4 | 95 | 87 | 81 | 76 | 93 | 86 | 80 | 76 | 84 | 79 | 75 | 82 | 78 | 74 | 80 | 76 | 73 | 72 | | |
| 5 | 90 | 81 | 75 | 70 | 88 | 80 | 74 | 70 | 78 | 73 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 66 | | |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | | |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 58 | 57 | | |
| 8 | 76 | 66 | 60 | 55 | 75 | 65 | 59 | 55 | 64 | 59 | 55 | 63 | 58 | 55 | 62 | 58 | 54 | 53 | | |
| 9 | 72 | 62 | 56 | 51 | 71 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 49 | | |
| 10 | 69 | 58 | 52 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 55 | 51 | 48 | 46 | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 499072 |
| 5° | 490137 |
| 10° | 465094 |
| 15° | 436138 |
| 20° | 406175 |
| 25° | 374253 |
| 30° | 311839 |
| 35° | 219789 |
| 40° | 140070 |
| 45° | 83528 |
| 50° | 49303 |
| 55° | 31368 |
| 60° | 21599 |
| 65° | 15332 |
| 70° | 10547 |
| 75° | 8345 |
| 80° | 4104 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 832.4 | 9.0 |
| 10°-20° | 2153.4 | 23.4 |
| 20°-30° | 2790.2 | 30.3 |
| 30°-40° | 2071.5 | 22.5 |
| 40°-50° | 874.5 | 9.5 |
| 50°-60° | 310.5 | 3.4 |
| 60°-70° | 119.9 | 1.3 |
| 70°-80° | 41.5 | 0.5 |
| 80°-90° | 5.3 | 0.1 |
| 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° | 5775.9 | 62.8 |
| 0°-40° | 7847.4 | 85.3 |
| 0°-60° | 9032.4 | 98.2 |
| 0°-90° | 9199.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 9199.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 9104 | |
| 5° | 8907 | 832 |
| 15° | 7685 | 2153 |
| 25° | 6187 | 2790 |
| 35° | 3284 | 2071 |
| 45° | 1077 | 874 |
| 55° | 328 | 310 |
| 65° | 118 | 120 |
| 75° | 39 | 41 |
| 85° | 0 | 5 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 9103.8 |
| 2.5° | 9077.4 |
| 5° | 8906.8 |
| 7.5° | 8656.9 |
| 10° | 8355.1 |
| 12.5° | 8026.4 |
| 15° | 7684.7 |
| 17.5° | 7304.1 |
| 20° | 6962.4 |
| 22.5° | 6607.8 |
| 25° | 6187.3 |
| 27.5° | 5609.1 |
| 30° | 4926.3 |
| 32.5° | 4124.7 |
| 35° | 3284.2 |
| 37.5° | 2574.9 |
| 40° | 1957.3 |
| 42.5° | 1458.0 |
| 45° | 1077.4 |
| 47.5° | 788.1 |
| 50° | 578.1 |
| 52.5° | 433.5 |
| 55° | 328.2 |
| 57.5° | 249.4 |
| 60° | 197.0 |
| 62.5° | 144.7 |
| 65° | 118.2 |
| 67.5° | 91.8 |
| 70° | 65.8 |
| 72.5° | 52.4 |
| 75° | 39.4 |
| 77.5° | 26.4 |
| 80° | 13.0 |
| 82.5° | 13.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)