

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: P583006

Luminaire Tested: **LX6C70D010 EU6709040 6LBHYLI**

Issue Date: 8/31/2023

Test Information

Test Method: LM-79-08
Report Number: P583006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/31/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C70D010 EU6709040 6LBHYLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

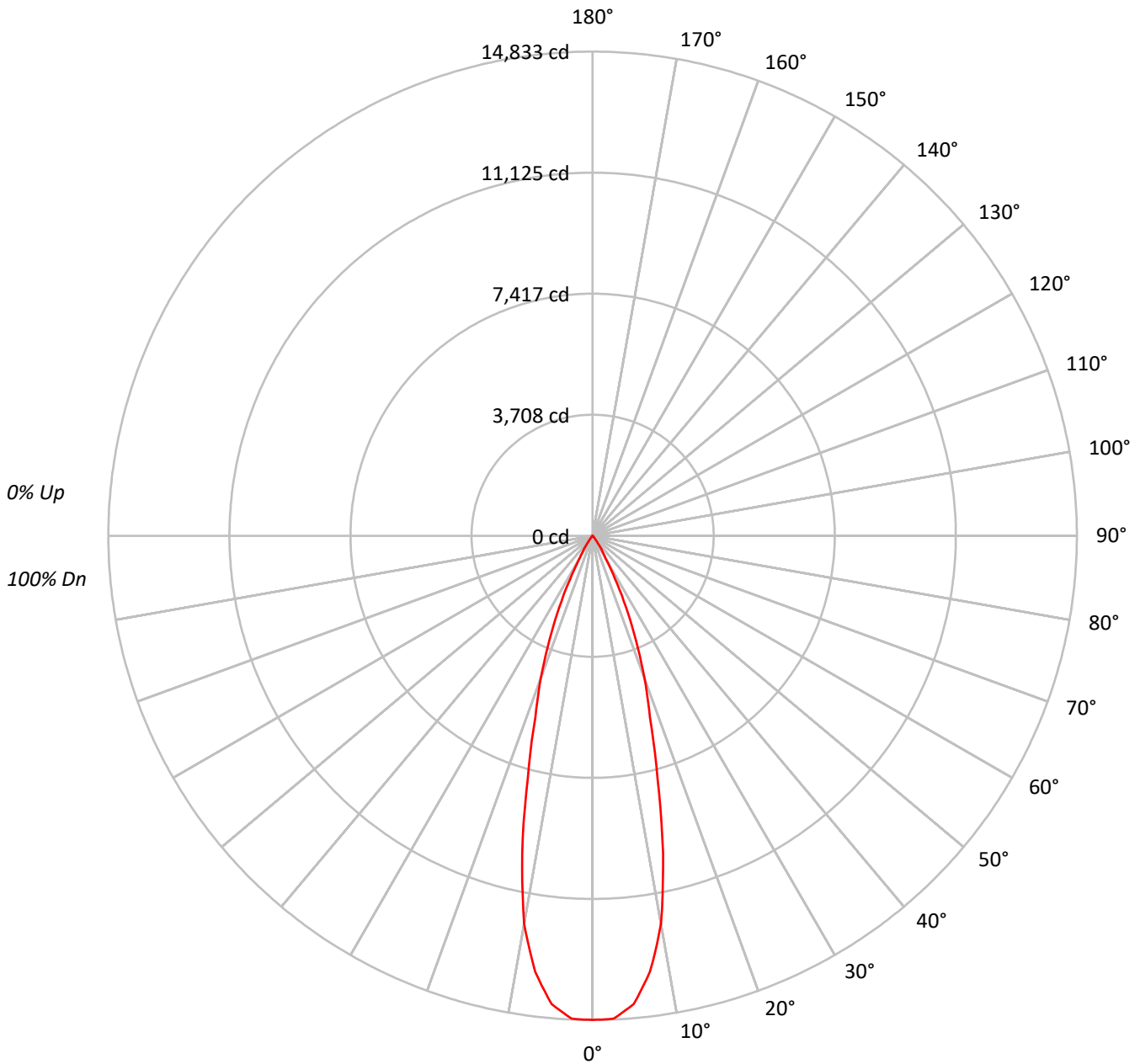
Lumens per Lamp: N/A
Luminaire Lumens: 4795.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98 | 99 | 97 | 96 | 97 | 95 | 94 | 92 | | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 94 | 98 | 95 | 93 | 96 | 93 | 91 | 94 | 92 | 90 | 89 | | | |
| 4 | 103 | 98 | 93 | 90 | 102 | 96 | 93 | 90 | 94 | 91 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 85 | | | |
| 5 | 100 | 94 | 89 | 86 | 98 | 93 | 89 | 86 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 82 | | | |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 83 | 80 | 79 | | | |
| 7 | 93 | 87 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 78 | 84 | 80 | 78 | 83 | 80 | 78 | 76 | | | |
| 8 | 91 | 83 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 78 | 75 | 81 | 78 | 75 | 80 | 77 | 75 | 74 | | | |
| 9 | 88 | 81 | 76 | 73 | 87 | 80 | 76 | 73 | 79 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 72 | 71 | | | |
| 10 | 85 | 78 | 74 | 71 | 84 | 78 | 73 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 76 | 72 | 70 | 69 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 813159 |
| 5° | 792624 |
| 10° | 671998 |
| 15° | 435564 |
| 20° | 270492 |
| 25° | 145587 |
| 30° | 50039 |
| 35° | 20151 |
| 40° | 5389 |
| 45° | 2403 |
| 50° | 947 |
| 55° | 421 |
| 60° | 241 |
| 65° | 285 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1299.2 | 27.1 |
| 10°-20° | 2142.7 | 44.7 |
| 20°-30° | 1110.9 | 23.2 |
| 30°-40° | 210.4 | 4.4 |
| 40°-50° | 26.6 | 0.6 |
| 50°-60° | 3.9 | 0.1 |
| 60°-70° | 1.3 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 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° | 4552.8 | 94.9 |
| 0°-40° | 4763.2 | 99.3 |
| 0°-60° | 4793.6 | 100.0 |
| 0°-90° | 4795.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4795.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-------|------|
| 0° | 14833 | |
| 5° | 14404 | ### |
| 15° | 7675 | 2143 |
| 25° | 2407 | 1111 |
| 35° | 301 | 210 |
| 45° | 31 | 27 |
| 55° | 4 | 4 |
| 65° | 2 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|---------|
| 0° | 14833.2 |
| 2.5° | 14808.8 |
| 5° | 14403.6 |
| 7.5° | 13473.7 |
| 10° | 12072.0 |
| 12.5° | 9961.9 |
| 15° | 7674.6 |
| 17.5° | 5827.9 |
| 20° | 4636.6 |
| 22.5° | 3456.4 |
| 25° | 2406.9 |
| 27.5° | 1479.1 |
| 30° | 790.5 |
| 32.5° | 533.6 |
| 35° | 301.1 |
| 37.5° | 130.6 |
| 40° | 75.3 |
| 42.5° | 48.7 |
| 45° | 31.0 |
| 47.5° | 17.7 |
| 50° | 11.1 |
| 52.5° | 4.4 |
| 55° | 4.4 |
| 57.5° | 2.2 |
| 60° | 2.2 |
| 62.5° | 2.2 |
| 65° | 2.2 |
| 67.5° | 0.0 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 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)