

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: P683891

Luminaire Tested: **LX6C100D010 EX6C1009035 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX6C1009035 6LBMDH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

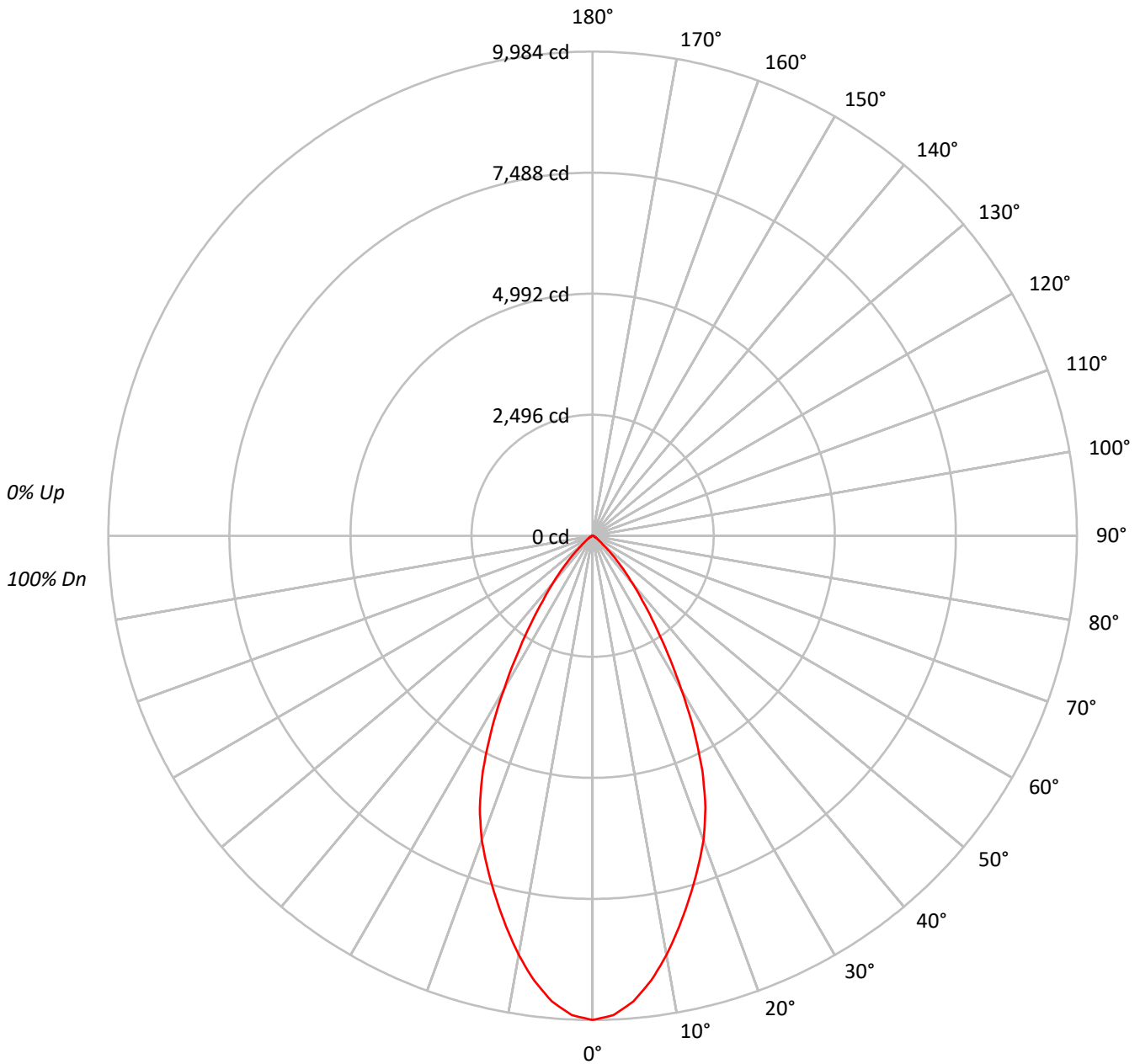
Lumens per Lamp: N/A
Luminaire Lumens: 7596.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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: P683891

CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P683891

CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBMDH

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 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 83 | 79 | 77 | 75 | | | |
| 5 | 92 | 84 | 78 | 74 | 91 | 83 | 78 | 74 | 81 | 77 | 73 | 80 | 76 | 72 | 78 | 75 | 72 | 70 | | | |
| 6 | 88 | 79 | 73 | 69 | 86 | 78 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 68 | 74 | 70 | 67 | 66 | | | |
| 7 | 84 | 74 | 68 | 64 | 82 | 74 | 68 | 64 | 72 | 67 | 64 | 71 | 67 | 63 | 70 | 66 | 63 | 62 | | | |
| 8 | 80 | 70 | 64 | 60 | 78 | 70 | 64 | 60 | 68 | 63 | 60 | 67 | 63 | 59 | 66 | 62 | 59 | 58 | | | |
| 9 | 76 | 66 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 63 | 59 | 56 | 54 | | | |
| 10 | 72 | 63 | 57 | 53 | 71 | 62 | 57 | 53 | 62 | 56 | 53 | 61 | 56 | 53 | 60 | 56 | 53 | 51 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 547319 |
| 5° | 530381 |
| 10° | 488390 |
| 15° | 438050 |
| 20° | 389759 |
| 25° | 323668 |
| 30° | 231244 |
| 35° | 148643 |
| 40° | 90577 |
| 45° | 50354 |
| 50° | 22311 |
| 55° | 12922 |
| 60° | 8508 |
| 65° | 6032 |
| 70° | 4264 |
| 75° | 3283 |
| 80° | 2084 |
| 85° | 1384 |



TEST NUMBER: P683891

CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBMDH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 892.1 | 11.7 |
| 10°-20° | 2159.4 | 28.4 |
| 20°-30° | 2401.5 | 31.6 |
| 30°-40° | 1423.0 | 18.7 |
| 40°-50° | 521.3 | 6.9 |
| 50°-60° | 131.0 | 1.7 |
| 60°-70° | 47.8 | 0.6 |
| 70°-80° | 16.6 | 0.2 |
| 80°-90° | 3.3 | 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° | 5453.0 | 71.8 |
| 0°-40° | 6876.0 | 90.5 |
| 0°-60° | 7528.2 | 99.1 |
| 0°-90° | 7596.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7596.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 9984 | |
| 5° | 9638 | 892 |
| 15° | 7718 | 2159 |
| 25° | 5351 | 2401 |
| 35° | 2221 | 1423 |
| 45° | 650 | 521 |
| 55° | 135 | 131 |
| 65° | 46 | 48 |
| 75° | 16 | 17 |
| 85° | 2 | 3 |
| 90° | 0 | |



TEST NUMBER: P683891

CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBMDH

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 9983.9 |
| 2.5° | 9895.2 |
| 5° | 9638.1 |
| 7.5° | 9247.9 |
| 10° | 8773.6 |
| 12.5° | 8250.4 |
| 15° | 7718.4 |
| 17.5° | 7201.9 |
| 20° | 6681.0 |
| 22.5° | 6075.9 |
| 25° | 5351.0 |
| 27.5° | 4517.6 |
| 30° | 3653.1 |
| 32.5° | 2879.4 |
| 35° | 2221.1 |
| 37.5° | 1686.9 |
| 40° | 1265.7 |
| 42.5° | 922.1 |
| 45° | 649.5 |
| 47.5° | 412.3 |
| 50° | 261.6 |
| 52.5° | 184.0 |
| 55° | 135.2 |
| 57.5° | 102.0 |
| 60° | 77.6 |
| 62.5° | 59.8 |
| 65° | 46.5 |
| 67.5° | 35.5 |
| 70° | 26.6 |
| 72.5° | 19.9 |
| 75° | 15.5 |
| 77.5° | 11.1 |
| 80° | 6.6 |
| 82.5° | 4.4 |
| 85° | 2.2 |
| 87.5° | 2.2 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)