

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: P685004

Luminaire Tested: **LX6C40D010 EX6409040 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C40D010 EX6409040 6LBSLI
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

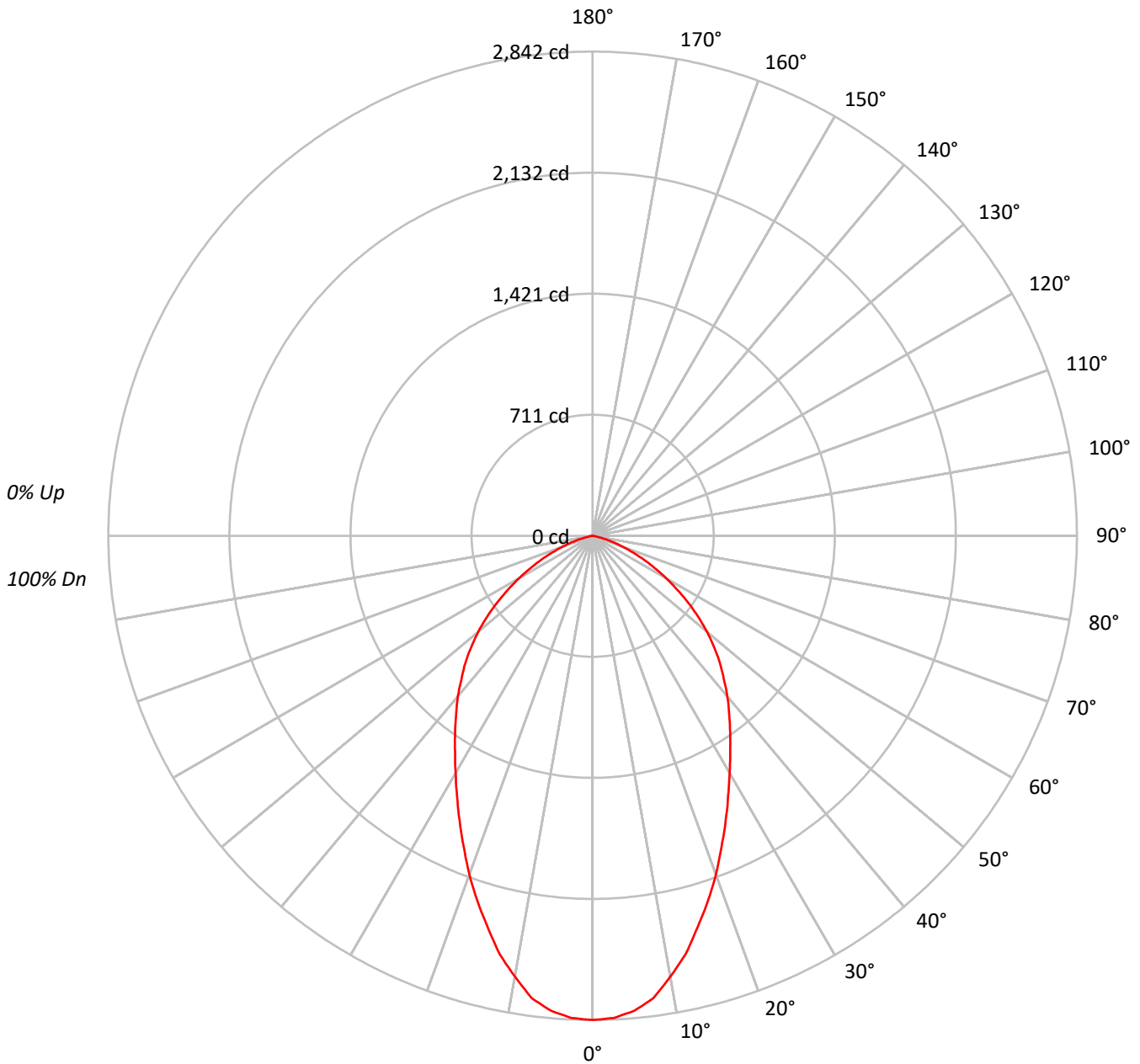
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4504.0 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | | |
| 2 | 103 | 96 | 91 | 86 | 100 | 94 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 77 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 62 | 70 | 65 | 62 | 60 | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 67 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 53 | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | |
| 7 | 71 | 59 | 51 | 46 | 70 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 | | | |
| 8 | 67 | 54 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | | | |
| 9 | 63 | 50 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 37 | 47 | 41 | 37 | 36 | | | |
| 10 | 59 | 47 | 40 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 33 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 155810 |
| 5° | 154039 |
| 10° | 146229 |
| 15° | 134967 |
| 20° | 123386 |
| 25° | 111720 |
| 30° | 101769 |
| 35° | 94147 |
| 40° | 88001 |
| 45° | 81978 |
| 50° | 74676 |
| 55° | 65393 |
| 60° | 54557 |
| 65° | 42819 |
| 70° | 29909 |
| 75° | 16203 |
| 80° | 3031 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 261.9 | 5.8 |
| 10°-20° | 666.8 | 14.8 |
| 20°-30° | 850.3 | 18.9 |
| 30°-40° | 881.8 | 19.6 |
| 40°-50° | 812.5 | 18.0 |
| 50°-60° | 611.2 | 13.6 |
| 60°-70° | 329.9 | 7.3 |
| 70°-80° | 88.5 | 2.0 |
| 80°-90° | 1.3 | 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° | 1778.9 | 39.5 |
| 0°-40° | 2660.7 | 59.1 |
| 0°-60° | 4084.3 | 90.7 |
| 0°-90° | 4504.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4504.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2842 | |
| 5° | 2799 | 262 |
| 15° | 2378 | 667 |
| 25° | 1847 | 850 |
| 35° | 1407 | 882 |
| 45° | 1057 | 812 |
| 55° | 684 | 611 |
| 65° | 330 | 330 |
| 75° | 76 | 88 |
| 85° | 0 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 2842.2 |
| 2.5° | 2832.7 |
| 5° | 2799.2 |
| 7.5° | 2737.0 |
| 10° | 2626.9 |
| 12.5° | 2516.9 |
| 15° | 2378.1 |
| 17.5° | 2249.0 |
| 20° | 2115.0 |
| 22.5° | 1976.2 |
| 25° | 1847.0 |
| 27.5° | 1722.6 |
| 30° | 1607.7 |
| 32.5° | 1502.5 |
| 35° | 1406.8 |
| 37.5° | 1315.8 |
| 40° | 1229.7 |
| 42.5° | 1138.9 |
| 45° | 1057.4 |
| 47.5° | 966.6 |
| 50° | 875.6 |
| 52.5° | 780.0 |
| 55° | 684.2 |
| 57.5° | 588.6 |
| 60° | 497.6 |
| 62.5° | 411.5 |
| 65° | 330.1 |
| 67.5° | 253.6 |
| 70° | 186.6 |
| 72.5° | 129.2 |
| 75° | 76.5 |
| 77.5° | 33.5 |
| 80° | 9.6 |
| 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)