

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: P563948

Luminaire Tested: **LX6C45D010 EX6C459030 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P563948
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: LX6C45D010 EX6C459030 6LBMDH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

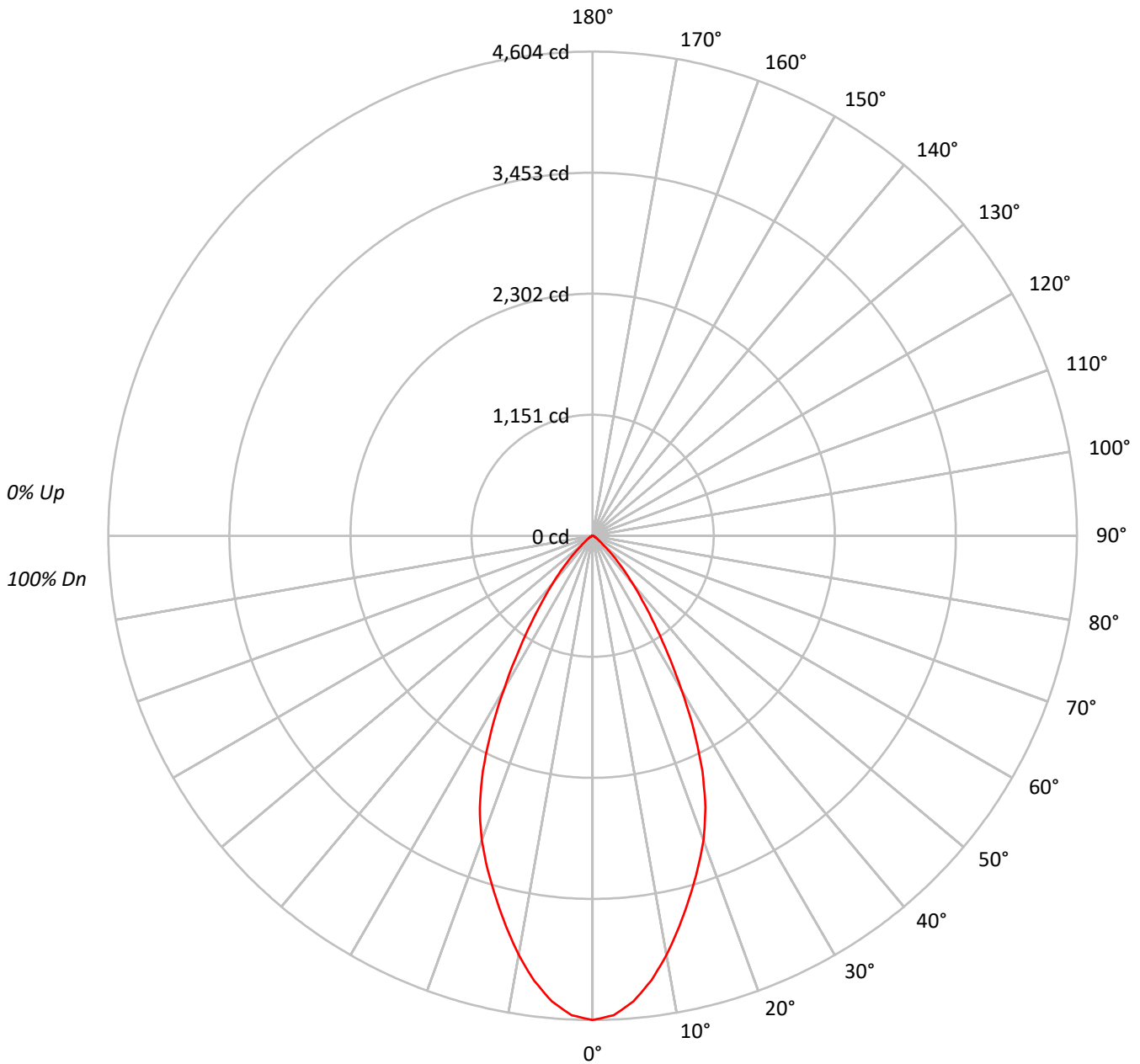
Lumens per Lamp: N/A
Luminaire Lumens: 3503.2 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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 | 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° | 252419 |
| 5° | 244612 |
| 10° | 225241 |
| 15° | 202027 |
| 20° | 179758 |
| 25° | 149271 |
| 30° | 106649 |
| 35° | 68549 |
| 40° | 41778 |
| 45° | 23227 |
| 50° | 10285 |
| 55° | 5964 |
| 60° | 3925 |
| 65° | 2789 |
| 70° | 1971 |
| 75° | 1504 |
| 80° | 979 |
| 85° | 629 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 411.4 | 11.7 |
| 10°-20° | 995.9 | 28.4 |
| 20°-30° | 1107.5 | 31.6 |
| 30°-40° | 656.3 | 18.7 |
| 40°-50° | 240.4 | 6.9 |
| 50°-60° | 60.4 | 1.7 |
| 60°-70° | 22.1 | 0.6 |
| 70°-80° | 7.7 | 0.2 |
| 80°-90° | 1.5 | 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° | 2514.9 | 71.8 |
| 0°-40° | 3171.2 | 90.5 |
| 0°-60° | 3472.0 | 99.1 |
| 0°-90° | 3503.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3503.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 4604 | |
| 5° | 4445 | 411 |
| 15° | 3560 | 996 |
| 25° | 2468 | 1108 |
| 35° | 1024 | 656 |
| 45° | 300 | 240 |
| 55° | 62 | 60 |
| 65° | 22 | 22 |
| 75° | 7 | 8 |
| 85° | 1 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 4604.5 |
| 2.5° | 4563.6 |
| 5° | 4445.1 |
| 7.5° | 4265.1 |
| 10° | 4046.3 |
| 12.5° | 3805.0 |
| 15° | 3559.7 |
| 17.5° | 3321.5 |
| 20° | 3081.3 |
| 22.5° | 2802.2 |
| 25° | 2467.8 |
| 27.5° | 2083.4 |
| 30° | 1684.8 |
| 32.5° | 1328.0 |
| 35° | 1024.3 |
| 37.5° | 778.0 |
| 40° | 583.8 |
| 42.5° | 425.3 |
| 45° | 299.6 |
| 47.5° | 190.1 |
| 50° | 120.6 |
| 52.5° | 84.8 |
| 55° | 62.4 |
| 57.5° | 47.0 |
| 60° | 35.8 |
| 62.5° | 27.6 |
| 65° | 21.5 |
| 67.5° | 16.4 |
| 70° | 12.3 |
| 72.5° | 9.2 |
| 75° | 7.1 |
| 77.5° | 5.1 |
| 80° | 3.1 |
| 82.5° | 2.0 |
| 85° | 1.0 |
| 87.5° | 1.0 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)