

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: P684327

Luminaire Tested: **LX6C05D010 EX6C059027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684327
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: LX6C05D010 EX6C059027 6LBMDH
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

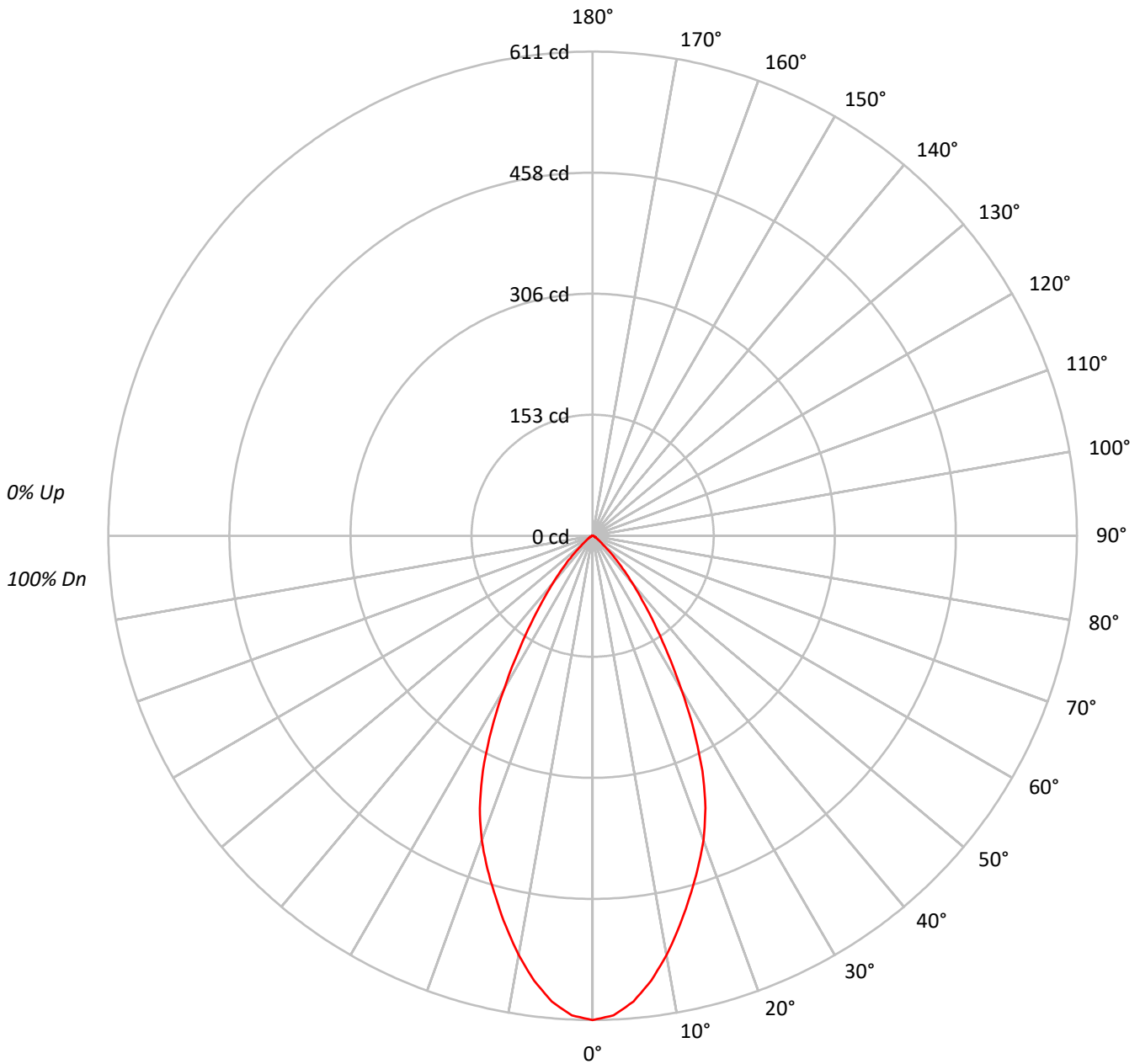
Lumens per Lamp: N/A
Luminaire Lumens: 465.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P684327

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P684327

CATALOG NUMBER: LX6C05D010 EX6C059027 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 |
| 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° | 33506 |
| 5° | 32467 |
| 10° | 29898 |
| 15° | 26816 |
| 20° | 23860 |
| 25° | 19816 |
| 30° | 14154 |
| 35° | 9102 |
| 40° | 5546 |
| 45° | 3086 |
| 50° | 1365 |
| 55° | 793 |
| 60° | 515 |
| 65° | 363 |
| 70° | 256 |
| 75° | 191 |
| 80° | 126 |
| 85° | 63 |



TEST NUMBER: P684327

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBMDH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.6 | 11.7 |
| 10°-20° | 132.2 | 28.4 |
| 20°-30° | 147.0 | 31.6 |
| 30°-40° | 87.1 | 18.7 |
| 40°-50° | 31.9 | 6.9 |
| 50°-60° | 8.0 | 1.7 |
| 60°-70° | 2.9 | 0.6 |
| 70°-80° | 1.0 | 0.2 |
| 80°-90° | 0.2 | 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° | 333.8 | 71.8 |
| 0°-40° | 420.9 | 90.5 |
| 0°-60° | 460.8 | 99.1 |
| 0°-90° | 465.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 465.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 611 | |
| 5° | 590 | 55 |
| 15° | 472 | 132 |
| 25° | 328 | 147 |
| 35° | 136 | 87 |
| 45° | 40 | 32 |
| 55° | 8 | 8 |
| 65° | 3 | 3 |
| 75° | 1 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P684327

CATALOG NUMBER: LX6C05D010 EX6C059027 6LBMDH

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 611.2 |
| 2.5° | 605.7 |
| 5° | 590.0 |
| 7.5° | 566.1 |
| 10° | 537.1 |
| 12.5° | 505.1 |
| 15° | 472.5 |
| 17.5° | 440.9 |
| 20° | 409.0 |
| 22.5° | 371.9 |
| 25° | 327.6 |
| 27.5° | 276.5 |
| 30° | 223.6 |
| 32.5° | 176.3 |
| 35° | 136.0 |
| 37.5° | 103.3 |
| 40° | 77.5 |
| 42.5° | 56.4 |
| 45° | 39.8 |
| 47.5° | 25.2 |
| 50° | 16.0 |
| 52.5° | 11.3 |
| 55° | 8.3 |
| 57.5° | 6.2 |
| 60° | 4.7 |
| 62.5° | 3.7 |
| 65° | 2.8 |
| 67.5° | 2.2 |
| 70° | 1.6 |
| 72.5° | 1.2 |
| 75° | 0.9 |
| 77.5° | 0.7 |
| 80° | 0.4 |
| 82.5° | 0.3 |
| 85° | 0.1 |
| 87.5° | 0.1 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)