

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: P684289

Luminaire Tested: **LX6C45D010 EX6C459027 6LBMH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C45D010 EX6C459027 6LBMH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

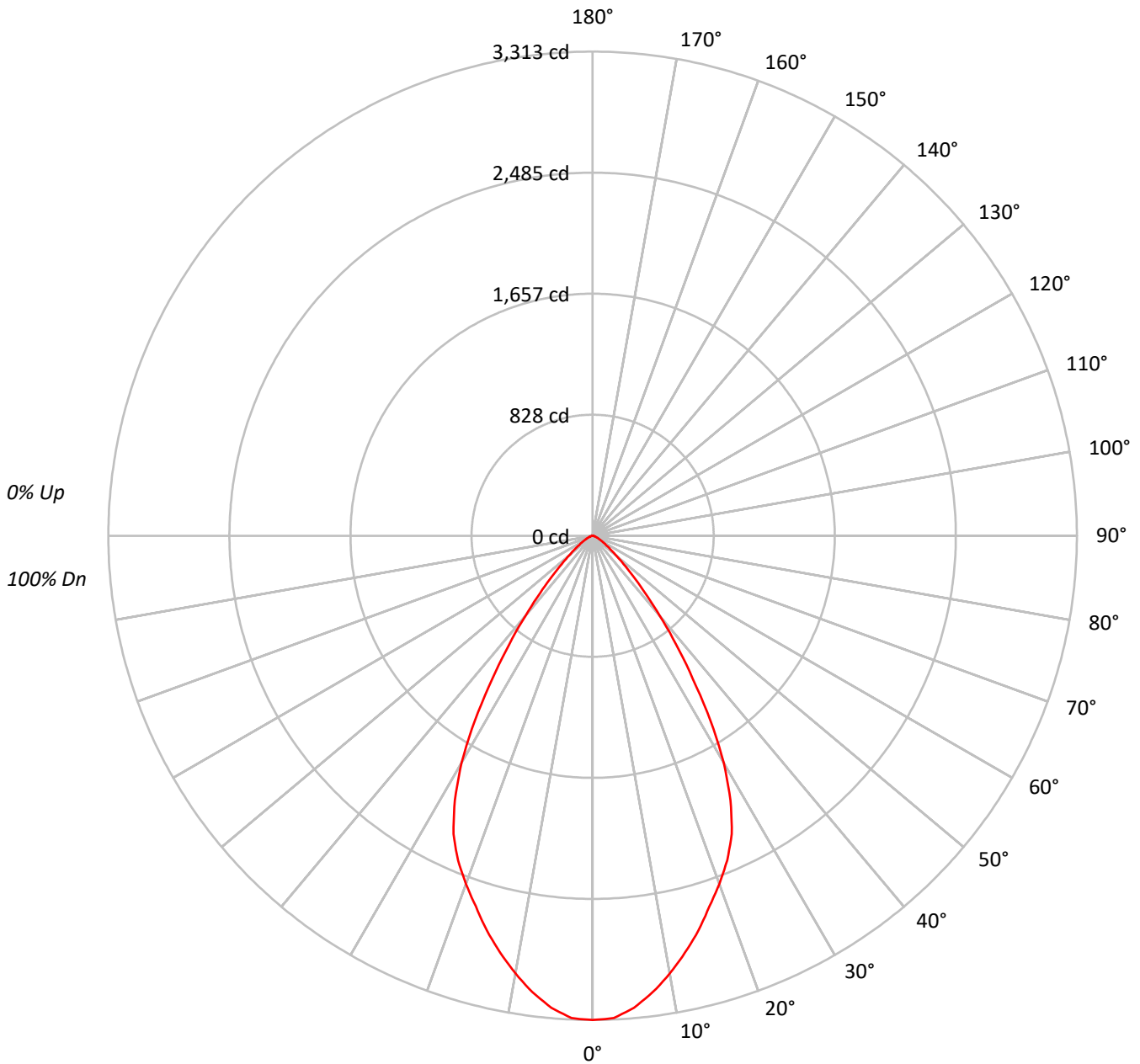
Lumens per Lamp: N/A
Luminaire Lumens: 3348.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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 | 110 | 107 | 105 | 111 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 95 | 94 | 92 | | | |
| 2 | 107 | 102 | 97 | 93 | 105 | 100 | 96 | 92 | 97 | 93 | 90 | 94 | 91 | 88 | 91 | 89 | 87 | 85 | | | |
| 3 | 101 | 94 | 88 | 84 | 99 | 92 | 87 | 84 | 90 | 86 | 82 | 87 | 84 | 81 | 85 | 82 | 80 | 78 | | | |
| 4 | 95 | 87 | 81 | 76 | 93 | 86 | 80 | 76 | 84 | 79 | 75 | 82 | 78 | 74 | 80 | 76 | 73 | 72 | | | |
| 5 | 90 | 81 | 75 | 70 | 88 | 80 | 74 | 70 | 78 | 73 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 66 | | | |
| 6 | 85 | 75 | 69 | 64 | 83 | 75 | 69 | 64 | 73 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 63 | 61 | | | |
| 7 | 80 | 70 | 64 | 59 | 79 | 70 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 58 | 57 | | | |
| 8 | 76 | 66 | 60 | 55 | 75 | 65 | 59 | 55 | 64 | 59 | 55 | 63 | 58 | 55 | 62 | 58 | 54 | 53 | | | |
| 9 | 72 | 62 | 56 | 51 | 71 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 49 | | | |
| 10 | 69 | 58 | 52 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 55 | 51 | 48 | 46 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 181641 |
| 5° | 178389 |
| 10° | 169274 |
| 15° | 158735 |
| 20° | 147830 |
| 25° | 136211 |
| 30° | 113492 |
| 35° | 79993 |
| 40° | 50981 |
| 45° | 30399 |
| 50° | 17944 |
| 55° | 11421 |
| 60° | 7861 |
| 65° | 5578 |
| 70° | 3847 |
| 75° | 3029 |
| 80° | 1484 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 303.0 | 9.0 |
| 10°-20° | 783.7 | 23.4 |
| 20°-30° | 1015.5 | 30.3 |
| 30°-40° | 753.9 | 22.5 |
| 40°-50° | 318.3 | 9.5 |
| 50°-60° | 113.0 | 3.4 |
| 60°-70° | 43.6 | 1.3 |
| 70°-80° | 15.1 | 0.5 |
| 80°-90° | 1.9 | 0.1 |
| 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° | 2102.2 | 62.8 |
| 0°-40° | 2856.1 | 85.3 |
| 0°-60° | 3287.4 | 98.2 |
| 0°-90° | 3348.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3348.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 3313 | |
| 5° | 3242 | 303 |
| 15° | 2797 | 784 |
| 25° | 2252 | 1015 |
| 35° | 1195 | 754 |
| 45° | 392 | 318 |
| 55° | 120 | 113 |
| 65° | 43 | 44 |
| 75° | 14 | 15 |
| 85° | 0 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 3313.4 |
| 2.5° | 3303.7 |
| 5° | 3241.7 |
| 7.5° | 3150.7 |
| 10° | 3040.9 |
| 12.5° | 2921.2 |
| 15° | 2796.9 |
| 17.5° | 2658.4 |
| 20° | 2534.0 |
| 22.5° | 2404.9 |
| 25° | 2251.9 |
| 27.5° | 2041.5 |
| 30° | 1792.9 |
| 32.5° | 1501.2 |
| 35° | 1195.3 |
| 37.5° | 937.1 |
| 40° | 712.4 |
| 42.5° | 530.7 |
| 45° | 392.1 |
| 47.5° | 286.8 |
| 50° | 210.4 |
| 52.5° | 157.8 |
| 55° | 119.5 |
| 57.5° | 90.8 |
| 60° | 71.7 |
| 62.5° | 52.7 |
| 65° | 43.0 |
| 67.5° | 33.4 |
| 70° | 24.0 |
| 72.5° | 19.1 |
| 75° | 14.3 |
| 77.5° | 9.6 |
| 80° | 4.7 |
| 82.5° | 4.7 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)