

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: P839479

Luminaire Tested: **LD6C20D010 EU6209040 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20D010 EU6209040 6LCSQWLI
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

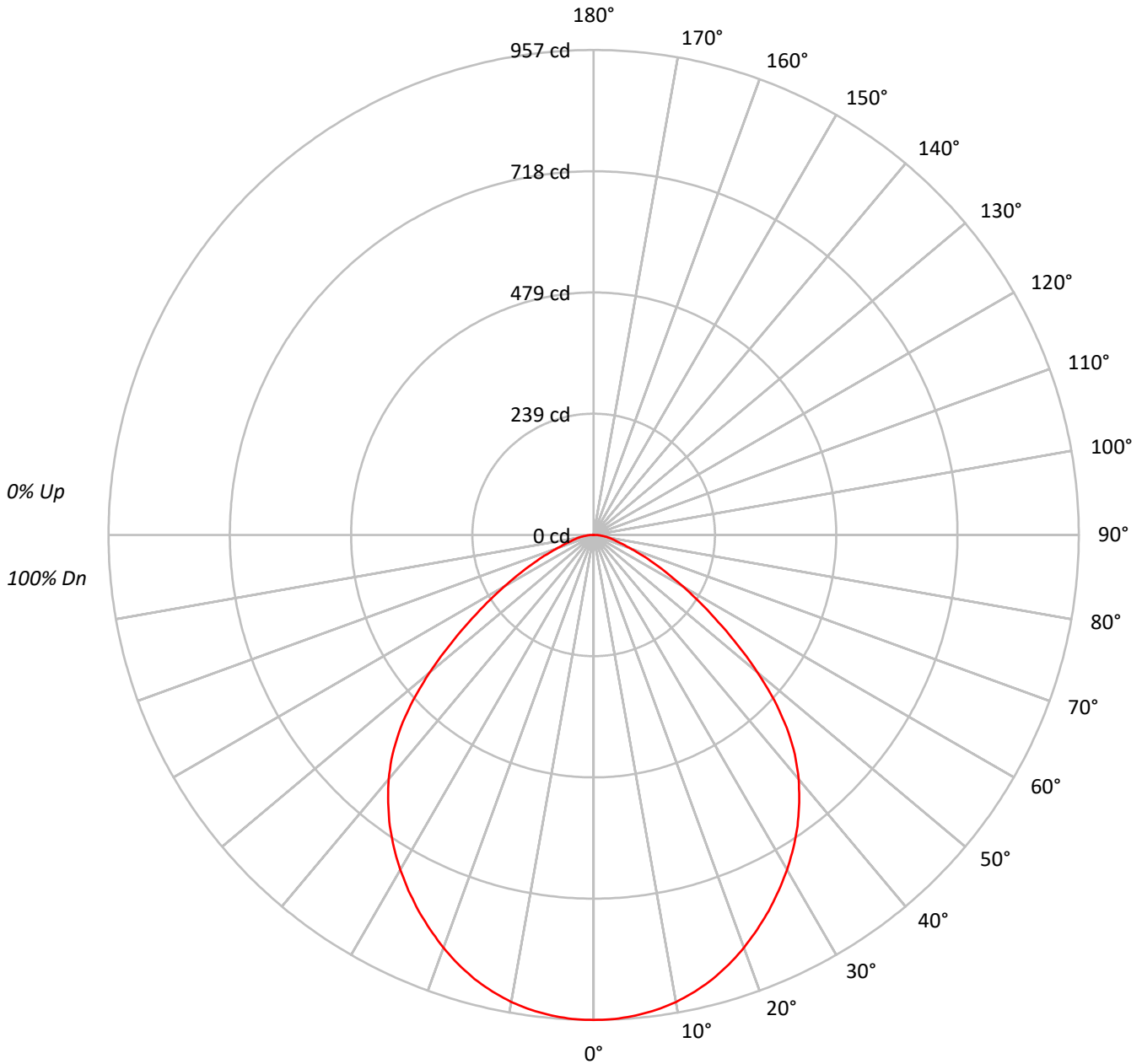
Lumens per Lamp: N/A
Luminaire Lumens: 2041.1 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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 | | | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 98 | 100 | 98 | 95 | 97 | 94 | 92 | 93 | 91 | 90 | 88 | | | 88 |
| 2 | 102 | 95 | 89 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | | | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | | | 58 |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 60 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | | | 51 |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 46 | | | 46 |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 43 | 55 | 48 | 43 | 54 | 47 | 43 | 52 | 47 | 43 | 41 | | | 41 |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | 37 |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | 33 |
| 10 | 57 | 45 | 37 | 32 | 56 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 42 | 36 | 32 | 30 | | | 30 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 41213 |
| 5° | 41146 |
| 10° | 40922 |
| 15° | 40447 |
| 20° | 39716 |
| 25° | 38856 |
| 30° | 37929 |
| 35° | 36845 |
| 40° | 35364 |
| 45° | 32807 |
| 50° | 28260 |
| 55° | 22542 |
| 60° | 17549 |
| 65° | 13142 |
| 70° | 9530 |
| 75° | 7552 |
| 80° | 7091 |
| 85° | 7064 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 90.4 | 4.4 |
| 10°-20° | 255.6 | 12.5 |
| 20°-30° | 376.6 | 18.5 |
| 30°-40° | 437.5 | 21.4 |
| 40°-50° | 411.3 | 20.1 |
| 50°-60° | 272.2 | 13.3 |
| 60°-70° | 131.2 | 6.4 |
| 70°-80° | 50.6 | 2.5 |
| 80°-90° | 15.8 | 0.8 |
| 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° | 722.5 | 35.4 |
| 0°-40° | 1160.0 | 56.8 |
| 0°-60° | 1843.5 | 90.3 |
| 0°-90° | 2041.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2041.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 957 | |
| 5° | 952 | 90 |
| 15° | 907 | 256 |
| 25° | 818 | 377 |
| 35° | 701 | 437 |
| 45° | 539 | 411 |
| 55° | 300 | 272 |
| 65° | 129 | 131 |
| 75° | 45 | 51 |
| 85° | 14 | 16 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 957.2 |
| 2.5° | 956.3 |
| 5° | 952.0 |
| 7.5° | 945.5 |
| 10° | 936.0 |
| 12.5° | 923.0 |
| 15° | 907.4 |
| 17.5° | 888.4 |
| 20° | 866.8 |
| 22.5° | 843.0 |
| 25° | 817.9 |
| 27.5° | 791.0 |
| 30° | 762.9 |
| 32.5° | 733.1 |
| 35° | 701.0 |
| 37.5° | 666.0 |
| 40° | 629.2 |
| 42.5° | 587.7 |
| 45° | 538.8 |
| 47.5° | 483.4 |
| 50° | 421.9 |
| 52.5° | 359.6 |
| 55° | 300.3 |
| 57.5° | 249.3 |
| 60° | 203.8 |
| 62.5° | 163.1 |
| 65° | 129.0 |
| 67.5° | 100.0 |
| 70° | 75.7 |
| 72.5° | 57.6 |
| 75° | 45.4 |
| 77.5° | 36.8 |
| 80° | 28.6 |
| 82.5° | 21.2 |
| 85° | 14.3 |
| 87.5° | 8.2 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)