

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: P839487

Luminaire Tested: **LD6C30D010 EU6309030 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839487
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: LD6C30D010 EU6309030 6LCSQWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

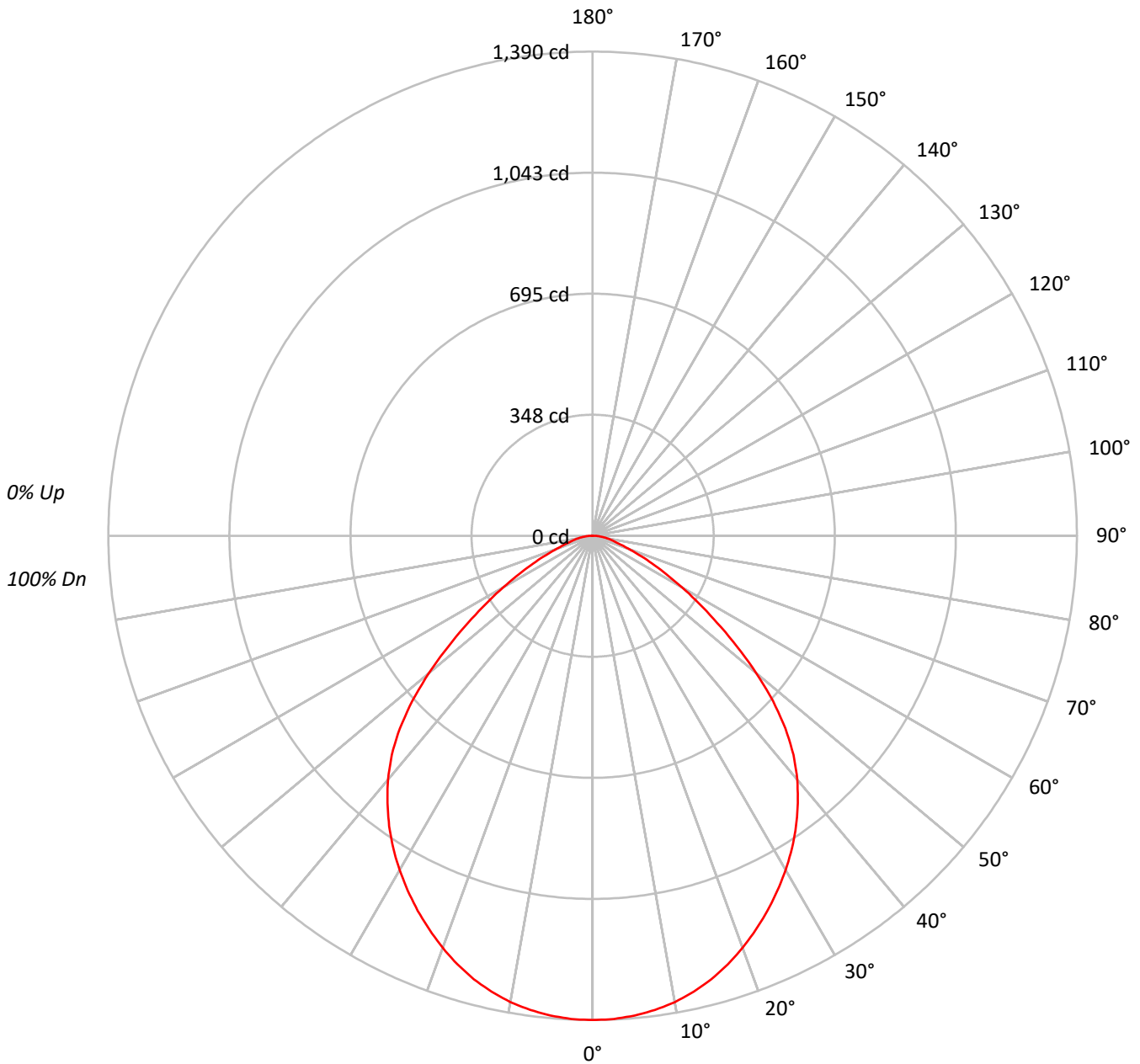
Lumens per Lamp: N/A
Luminaire Lumens: 2964.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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

TEST NUMBER: P839487

CATALOG NUMBER: LD6C30D010 EU6309030 6LCSQWLI

Luminous Intensity Polar Plot





TEST NUMBER: P839487

CATALOG NUMBER: LD6C30D010 EU6309030 6LCSQWLI

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

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 59852 |
| 5° | 59752 |
| 10° | 59428 |
| 15° | 58740 |
| 20° | 57672 |
| 25° | 56424 |
| 30° | 55081 |
| 35° | 53513 |
| 40° | 51355 |
| 45° | 47640 |
| 50° | 41040 |
| 55° | 32736 |
| 60° | 25489 |
| 65° | 19082 |
| 70° | 13847 |
| 75° | 10979 |
| 80° | 10290 |
| 85° | 10226 |



TEST NUMBER: P839487

CATALOG NUMBER: LD6C30D010 EU6309030 6LCSQWLI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.2 | 4.4 |
| 10°-20° | 371.1 | 12.5 |
| 20°-30° | 546.9 | 18.5 |
| 30°-40° | 635.4 | 21.4 |
| 40°-50° | 597.2 | 20.1 |
| 50°-60° | 395.3 | 13.3 |
| 60°-70° | 190.5 | 6.4 |
| 70°-80° | 73.5 | 2.5 |
| 80°-90° | 22.9 | 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° | 1049.3 | 35.4 |
| 0°-40° | 1684.6 | 56.8 |
| 0°-60° | 2677.1 | 90.3 |
| 0°-90° | 2964.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2964.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1390 | |
| 5° | 1382 | 131 |
| 15° | 1318 | 371 |
| 25° | 1188 | 547 |
| 35° | 1018 | 635 |
| 45° | 782 | 597 |
| 55° | 436 | 395 |
| 65° | 187 | 191 |
| 75° | 66 | 73 |
| 85° | 21 | 23 |
| 90° | 0 | |



TEST NUMBER: P839487

CATALOG NUMBER: LD6C30D010 EU6309030 6LCSQWLI

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 1390.1 |
| 2.5° | 1388.8 |
| 5° | 1382.5 |
| 7.5° | 1373.1 |
| 10° | 1359.3 |
| 12.5° | 1340.4 |
| 15° | 1317.8 |
| 17.5° | 1290.2 |
| 20° | 1258.7 |
| 22.5° | 1224.2 |
| 25° | 1187.7 |
| 27.5° | 1148.8 |
| 30° | 1107.9 |
| 32.5° | 1064.6 |
| 35° | 1018.1 |
| 37.5° | 967.2 |
| 40° | 913.7 |
| 42.5° | 853.4 |
| 45° | 782.4 |
| 47.5° | 702.0 |
| 50° | 612.7 |
| 52.5° | 522.2 |
| 55° | 436.1 |
| 57.5° | 362.0 |
| 60° | 296.0 |
| 62.5° | 236.9 |
| 65° | 187.3 |
| 67.5° | 145.2 |
| 70° | 110.0 |
| 72.5° | 83.6 |
| 75° | 66.0 |
| 77.5° | 53.4 |
| 80° | 41.5 |
| 82.5° | 30.8 |
| 85° | 20.7 |
| 87.5° | 11.9 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)