

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P203105

Luminaire Tested: **LD6B70D010TE EU6B60709727 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B70D010TE EU6B60709727 6LBWB1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2847.9 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

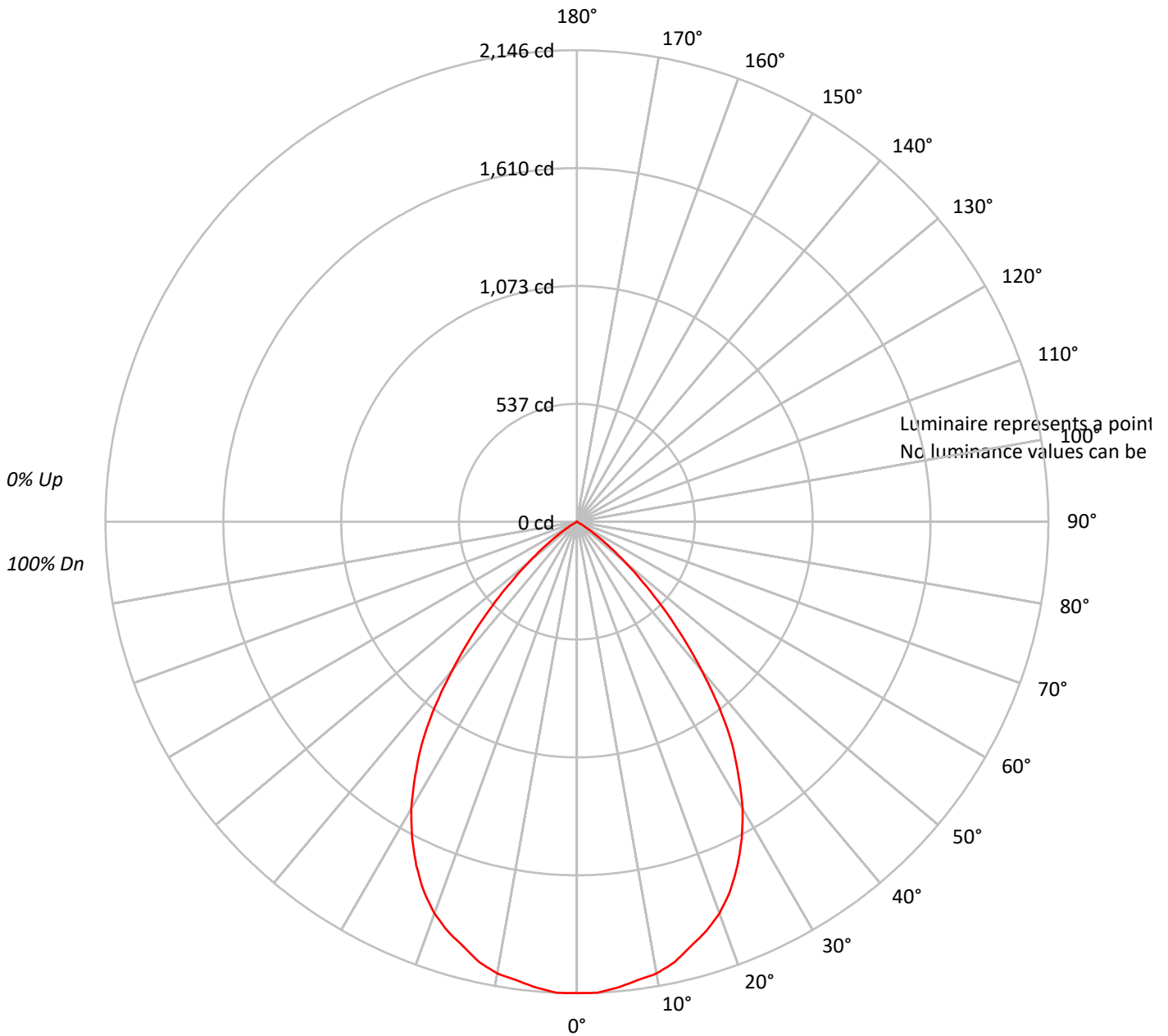
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203105

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBWB1

Luminous Intensity Polar Plot





TEST NUMBER: P203105

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBWB1

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 | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98 | 97 | 96 | 95 | 94 | 92 | 92 | 92 | 92 |
| 2 | 106 | 101 | 97 | 93 | 104 | 99 | 95 | 92 | 96 | 93 | 90 | 93 | 90 | 88 | 90 | 88 | 86 | 84 | 84 | 84 | 84 |
| 3 | 100 | 93 | 87 | 83 | 98 | 92 | 86 | 82 | 89 | 85 | 81 | 86 | 83 | 80 | 84 | 81 | 78 | 77 | 77 | 77 | 77 |
| 4 | 94 | 86 | 79 | 75 | 92 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 70 | 70 | 70 | 70 |
| 5 | 89 | 79 | 73 | 68 | 87 | 78 | 72 | 67 | 76 | 71 | 67 | 75 | 70 | 66 | 73 | 69 | 66 | 64 | 64 | 64 | 64 |
| 6 | 83 | 73 | 67 | 62 | 82 | 72 | 66 | 61 | 71 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 59 | 59 | 59 | 59 |
| 7 | 78 | 68 | 61 | 56 | 77 | 67 | 61 | 56 | 66 | 60 | 56 | 65 | 60 | 56 | 63 | 59 | 55 | 54 | 54 | 54 | 54 |
| 8 | 74 | 63 | 57 | 52 | 73 | 63 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 51 | 59 | 55 | 51 | 50 | 50 | 50 | 50 |
| 9 | 70 | 59 | 52 | 48 | 69 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 51 | 47 | 56 | 51 | 47 | 46 | 46 | 46 | 46 |
| 10 | 66 | 55 | 49 | 44 | 65 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 | 42 | 42 | 42 |

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203105

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBWB1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 201.8 | 7.1 |
| 10°-20° | 564.3 | 19.8 |
| 20°-30° | 790.5 | 27.8 |
| 30°-40° | 754.9 | 26.5 |
| 40°-50° | 429.9 | 15.1 |
| 50°-60° | 105.0 | 3.7 |
| 60°-70° | 1.4 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 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° | 1556.6 | 54.7 |
| 0°-40° | 2311.5 | 81.2 |
| 0°-60° | 2846.5 | 100.0 |
| 0°-90° | 2847.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2847.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2146 | |
| 5° | 2129 | 202 |
| 15° | 2001 | 564 |
| 25° | 1729 | 791 |
| 35° | 1230 | 755 |
| 45° | 551 | 430 |
| 55° | 104 | 105 |
| 65° | 0 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P203105

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBWB1

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 2146.4 |
| 2.5° | 2146.4 |
| 5° | 2129.0 |
| 7.5° | 2105.8 |
| 10° | 2088.3 |
| 12.5° | 2053.5 |
| 15° | 2001.3 |
| 17.5° | 1954.9 |
| 20° | 1896.9 |
| 22.5° | 1821.5 |
| 25° | 1728.7 |
| 27.5° | 1624.3 |
| 30° | 1508.3 |
| 32.5° | 1369.0 |
| 35° | 1229.8 |
| 37.5° | 1061.6 |
| 40° | 881.7 |
| 42.5° | 713.5 |
| 45° | 551.1 |
| 47.5° | 406.1 |
| 50° | 284.2 |
| 52.5° | 179.8 |
| 55° | 104.4 |
| 57.5° | 46.4 |
| 60° | 11.6 |
| 62.5° | 0.0 |
| 65° | 0.0 |
| 67.5° | 0.0 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)