

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: P204566

Luminaire Tested: **LSR6B15D010BZ EC6B10208050 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204566
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: LSR6B15D010BZ EC6B10208050 6LBSMW1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1703.7 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

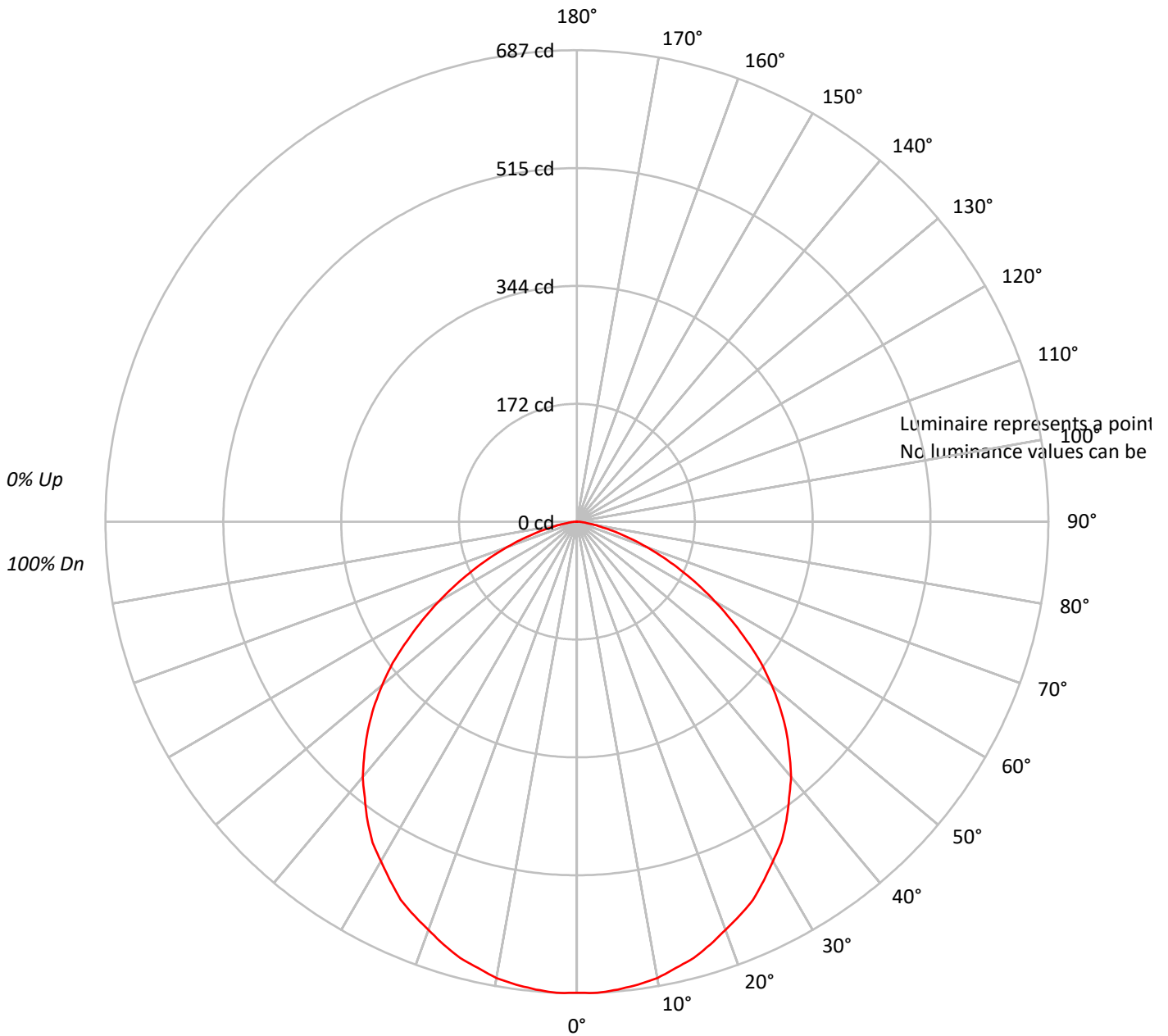
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204566

CATALOG NUMBER: LSR6B15D010BZ EC6B10208050 6LBSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204566

CATALOG NUMBER: LSR6B15D010BZ EC6B10208050 6LBSMW1

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 | 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 | 110 | 106 | 102 | 99 | 107 | 104 | 100 | 97 | 99 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 88 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 101 | 93 | 87 | 82 | 98 | 92 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | 93 | 83 | 75 | 69 | 90 | 81 | 74 | 69 | 78 | 72 | 67 | 76 | 70 | 66 | 73 | 69 | 65 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | 85 | 74 | 65 | 59 | 83 | 72 | 65 | 59 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | 78 | 66 | 58 | 51 | 76 | 65 | 57 | 51 | 63 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 49 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | 73 | 60 | 51 | 45 | 71 | 59 | 51 | 45 | 57 | 50 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | 67 | 54 | 46 | 40 | 66 | 54 | 46 | 40 | 52 | 45 | 40 | 51 | 44 | 39 | 49 | 43 | 39 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | 63 | 50 | 41 | 36 | 61 | 49 | 41 | 36 | 48 | 41 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | 59 | 46 | 38 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 32 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | 55 | 42 | 34 | 29 | 54 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 29 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204566

CATALOG NUMBER: LSR6B15D010BZ EC6B10208050 6LBSMW1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 65.0 | 3.8 |
| 10°-20° | 185.4 | 10.9 |
| 20°-30° | 279.2 | 16.4 |
| 30°-40° | 332.2 | 19.5 |
| 40°-50° | 331.6 | 19.5 |
| 50°-60° | 269.7 | 15.8 |
| 60°-70° | 165.9 | 9.7 |
| 70°-80° | 64.3 | 3.8 |
| 80°-90° | 10.3 | 0.6 |
| 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° | 529.6 | 31.1 |
| 0°-40° | 861.9 | 50.6 |
| 0°-60° | 1463.2 | 85.9 |
| 0°-90° | 1703.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1703.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 686 | |
| 5° | 684 | 65 |
| 15° | 658 | 185 |
| 25° | 608 | 279 |
| 35° | 532 | 332 |
| 45° | 431 | 332 |
| 55° | 302 | 270 |
| 65° | 167 | 166 |
| 75° | 58 | 64 |
| 85° | 8 | 10 |
| 90° | 0 | |



TEST NUMBER: P204566

CATALOG NUMBER: LSR6B15D010BZ EC6B10208050 6LBSMW1

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 686.4 |
| 2.5° | 687.4 |
| 5° | 684.4 |
| 7.5° | 680.4 |
| 10° | 675.3 |
| 12.5° | 666.2 |
| 15° | 658.2 |
| 17.5° | 646.0 |
| 20° | 632.9 |
| 22.5° | 620.8 |
| 25° | 607.7 |
| 27.5° | 589.5 |
| 30° | 571.3 |
| 32.5° | 554.2 |
| 35° | 532.0 |
| 37.5° | 507.8 |
| 40° | 485.5 |
| 42.5° | 458.3 |
| 45° | 431.0 |
| 47.5° | 401.8 |
| 50° | 370.5 |
| 52.5° | 338.2 |
| 55° | 301.8 |
| 57.5° | 266.5 |
| 60° | 232.2 |
| 62.5° | 198.9 |
| 65° | 166.6 |
| 67.5° | 136.3 |
| 70° | 108.0 |
| 72.5° | 81.8 |
| 75° | 58.5 |
| 77.5° | 38.4 |
| 80° | 23.2 |
| 82.5° | 14.1 |
| 85° | 8.1 |
| 87.5° | 4.0 |
| 90° | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)