

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: P203436

Luminaire Tested: **LSR6B15D010BZ EC6B10209035 6LBMB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203436  
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 EC6B10209035 6LBMB1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH SPECULAR BLACK 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: 553.0 lumens  
Efficiency: N/A  
Efficacy: 38.7 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

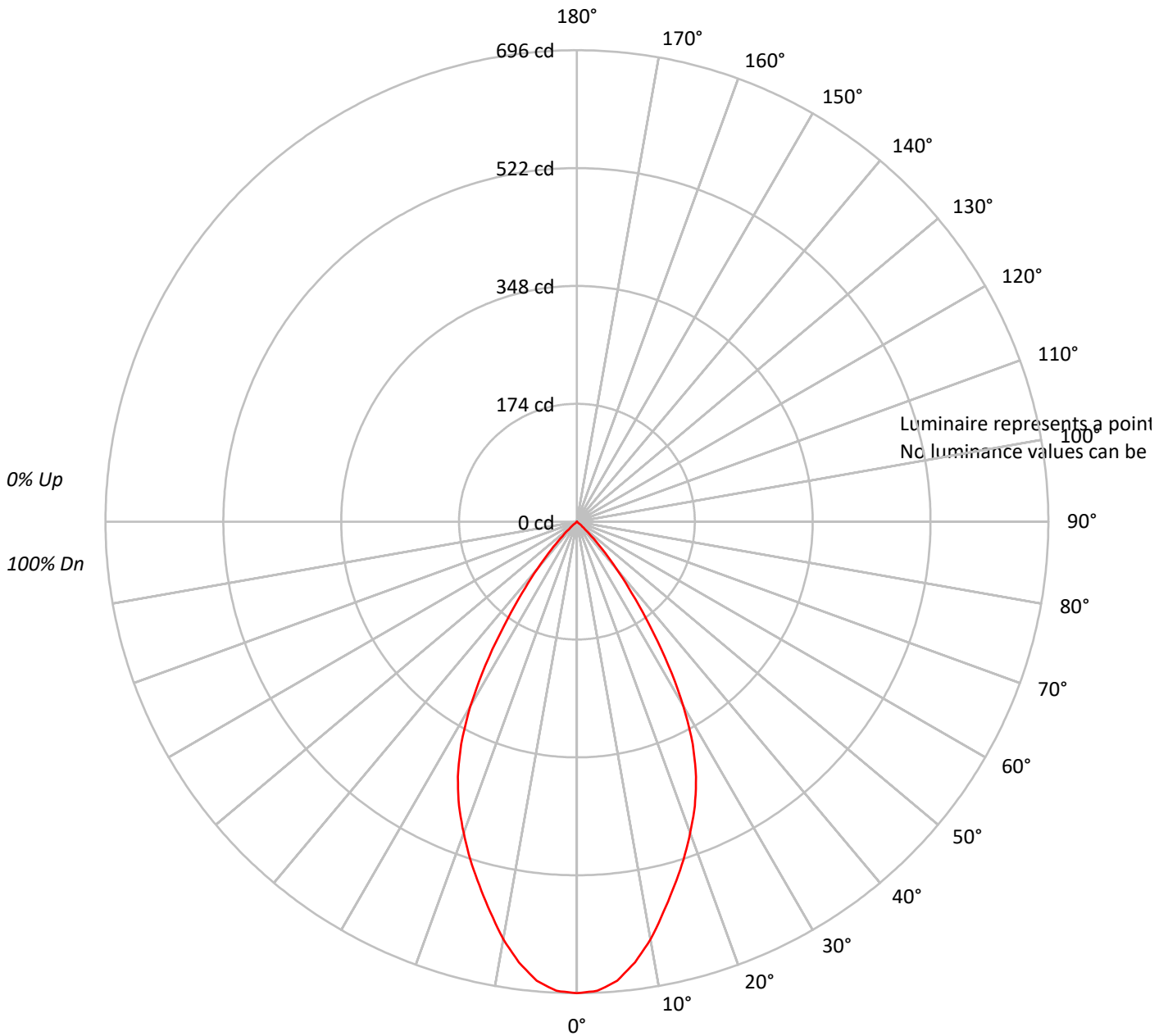
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203436

CATALOG NUMBER: LSR6B15D010BZ EC6B10209035 6LBMB1

### Luminous Intensity Polar Plot





TEST NUMBER: P203436

CATALOG NUMBER: LSR6B15D010BZ EC6B10209035 6LBMB1

**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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94																												
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88																												
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82																												
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	76																												
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72																												
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67																												
7	84	75	69	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63																												
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59																												
9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	56																												
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52																												

**AVERAGE LUMINANCE (cd/sqm):**





TEST NUMBER: P203436

CATALOG NUMBER: LSR6B15D010BZ EC6B10209035 6LBMB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	11.4
10°-20°	155.9	28.2
20°-30°	187.7	33.9
30°-40°	118.8	21.5
40°-50°	27.2	4.9
50°-60°	0.3	0.1
60°-70°	0.0	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°	406.7	73.6
0°-40°	525.5	95.0
0°-60°	553.0	100.0
0°-90°	553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	696	
5°	680	63
15°	556	156
25°	416	188
35°	187	119
45°	30	27
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203436

CATALOG NUMBER: LSR6B15D010BZ EC6B10209035 6LBMB1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	696.1
2.5°	693.3
5°	680.4
7.5°	656.1
10°	626.1
12.5°	590.3
15°	556.0
17.5°	523.2
20°	488.9
22.5°	454.6
25°	416.0
27.5°	370.2
30°	314.5
32.5°	251.6
35°	187.3
37.5°	132.9
40°	90.1
42.5°	55.7
45°	30.0
47.5°	12.9
50°	2.9
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
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)