

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: P205189

Luminaire Tested: **LSR6B15D010BZ EC6B10209730 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205189  
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 EC6B10209730 6LBWL1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH SPECULAR CLEAR 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: 1105.7 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

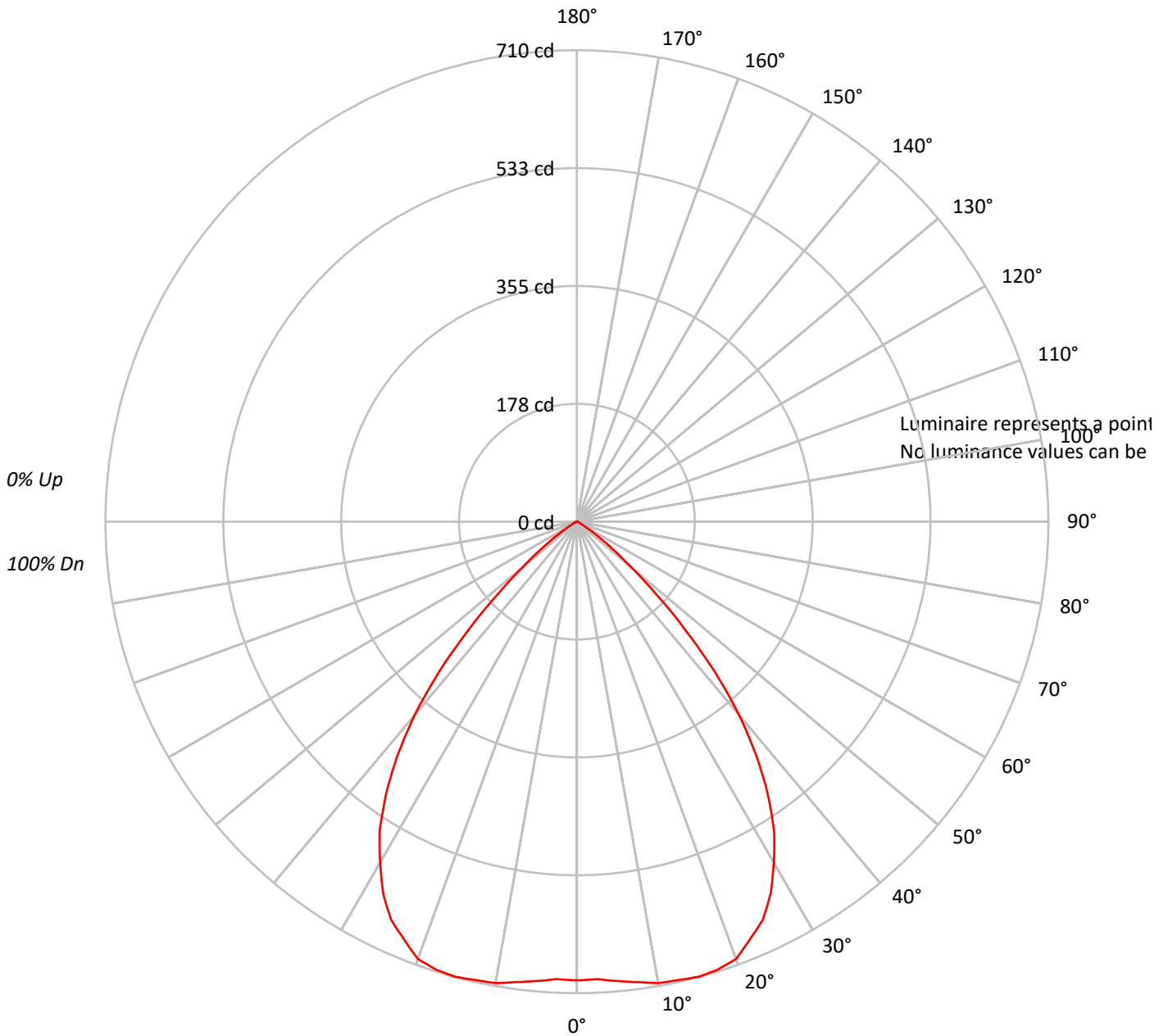
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205189

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBWLI1

### Luminous Intensity Polar Plot





TEST NUMBER: P205189

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBWLI1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92			92																
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83			83																
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76			76																
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69			69																
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63			63																
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57			57																
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			52																
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			48																
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	45	44			44																
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41			41																

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





TEST NUMBER: P205189

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.6	6.0
10°-20°	200.3	18.1
20°-30°	301.9	27.3
30°-40°	309.0	27.9
40°-50°	180.0	16.3
50°-60°	41.4	3.7
60°-70°	5.1	0.5
70°-80°	1.4	0.1
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°	568.8	51.4
0°-40°	877.8	79.4
0°-60°	1099.2	99.4
0°-90°	1105.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1105.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	691	
5°	694	67
15°	710	200
25°	662	302
35°	501	309
45°	232	180
55°	40	41
65°	4	5
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P205189

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	690.7
2.5°	689.5
5°	694.5
7.5°	699.5
10°	705.7
12.5°	707.0
15°	709.5
17.5°	707.0
20°	700.7
22.5°	680.7
25°	661.9
27.5°	631.8
30°	592.9
32.5°	552.8
35°	501.4
37.5°	443.8
40°	379.8
42.5°	308.4
45°	231.9
47.5°	161.7
50°	106.6
52.5°	67.7
55°	40.1
57.5°	21.3
60°	11.3
62.5°	6.3
65°	3.8
67.5°	3.8
70°	2.5
72.5°	1.3
75°	1.3
77.5°	1.3
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)