

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: P203849

Luminaire Tested: **LSR6B15D010BZ EC6B10209040 6LBNGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203849  
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 EC6B10209040 6LBNGPH1  
Description: PORTFOLIO 6IN CYLINDER  
NARROW DISTRIBUTION WITH GRAPHITE HAZE 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: 640.0 lumens  
Efficiency: N/A  
Efficacy: 44.8 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

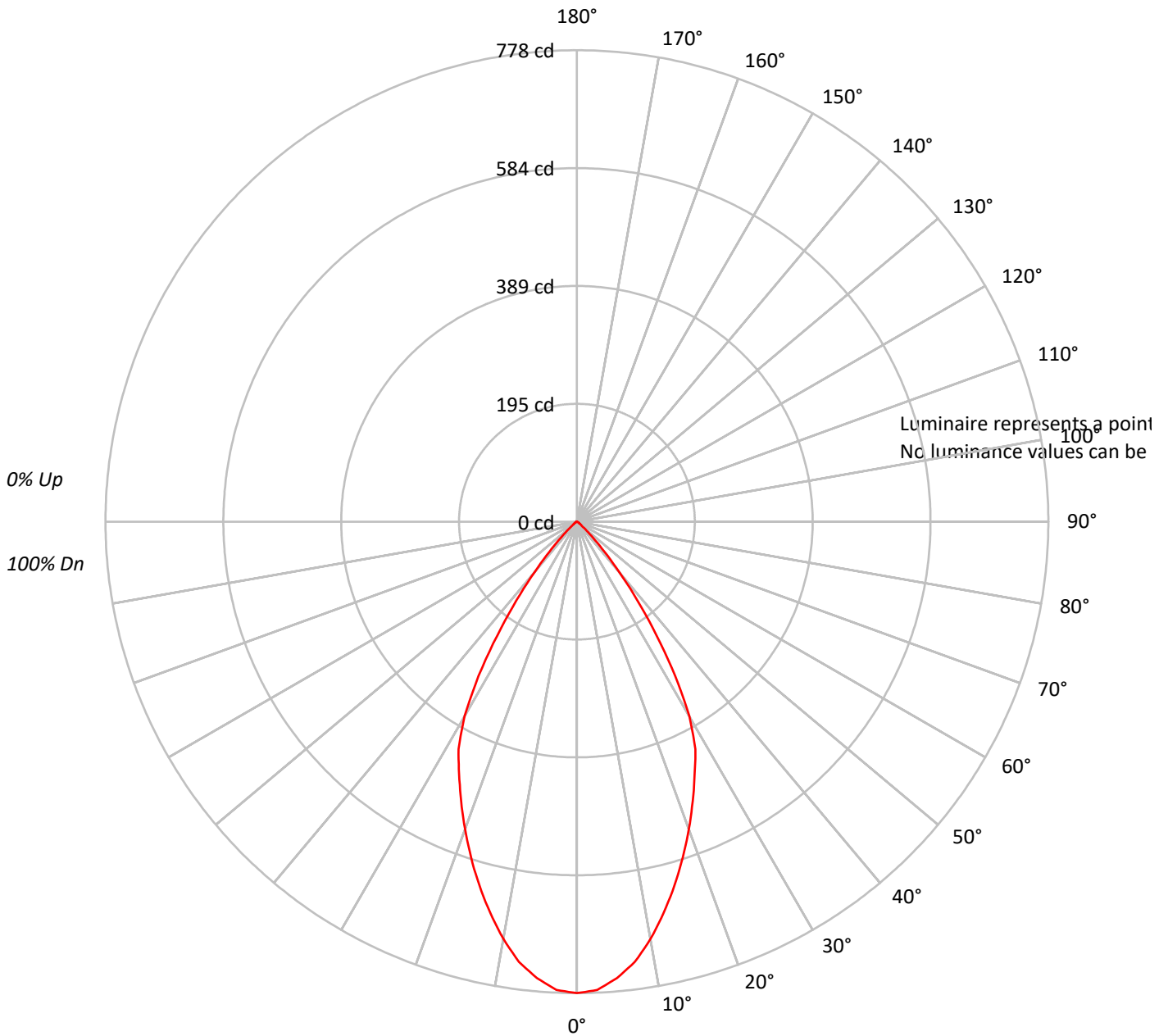
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203849

CATALOG NUMBER: LSR6B15D010BZ EC6B10209040 6LBNGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203849

CATALOG NUMBER: LSR6B15D010BZ EC6B10209040 6LBNGPH1

**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	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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94						94													
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87						87													
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81						81													
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76						76													
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70						70													
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66						66													
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62						62													
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58						58													
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54						54													
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	51						51													

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





TEST NUMBER: P203849

CATALOG NUMBER: LSR6B15D010BZ EC6B10209040 6LBNGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.4	11.0
10°-20°	173.7	27.1
20°-30°	210.4	32.9
30°-40°	143.4	22.4
40°-50°	34.1	5.3
50°-60°	5.3	0.8
60°-70°	2.0	0.3
70°-80°	0.6	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°	454.6	71.0
0°-40°	598.0	93.4
0°-60°	637.5	99.6
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	778	
5°	756	70
15°	622	174
25°	460	210
35°	229	143
45°	36	34
55°	6	5
65°	2	2
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203849

CATALOG NUMBER: LSR6B15D010BZ EC6B10209040 6LBNGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	777.9
2.5°	773.6
5°	756.1
7.5°	732.7
10°	699.1
12.5°	661.2
15°	621.8
17.5°	580.9
20°	540.0
22.5°	499.2
25°	459.8
27.5°	423.3
30°	370.7
32.5°	302.1
35°	229.2
37.5°	163.5
40°	108.0
42.5°	67.1
45°	36.5
47.5°	19.0
50°	10.2
52.5°	7.3
55°	5.8
57.5°	4.4
60°	2.9
62.5°	2.9
65°	1.5
67.5°	1.5
70°	1.5
72.5°	1.5
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)