

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: P203354

Luminaire Tested: **LSR6B30D010BZ EC6B30508040 6LBMWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203354  
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: LSR6B30D010BZ EC6B30508040 6LBMWH1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH WHEAT TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2416.3 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

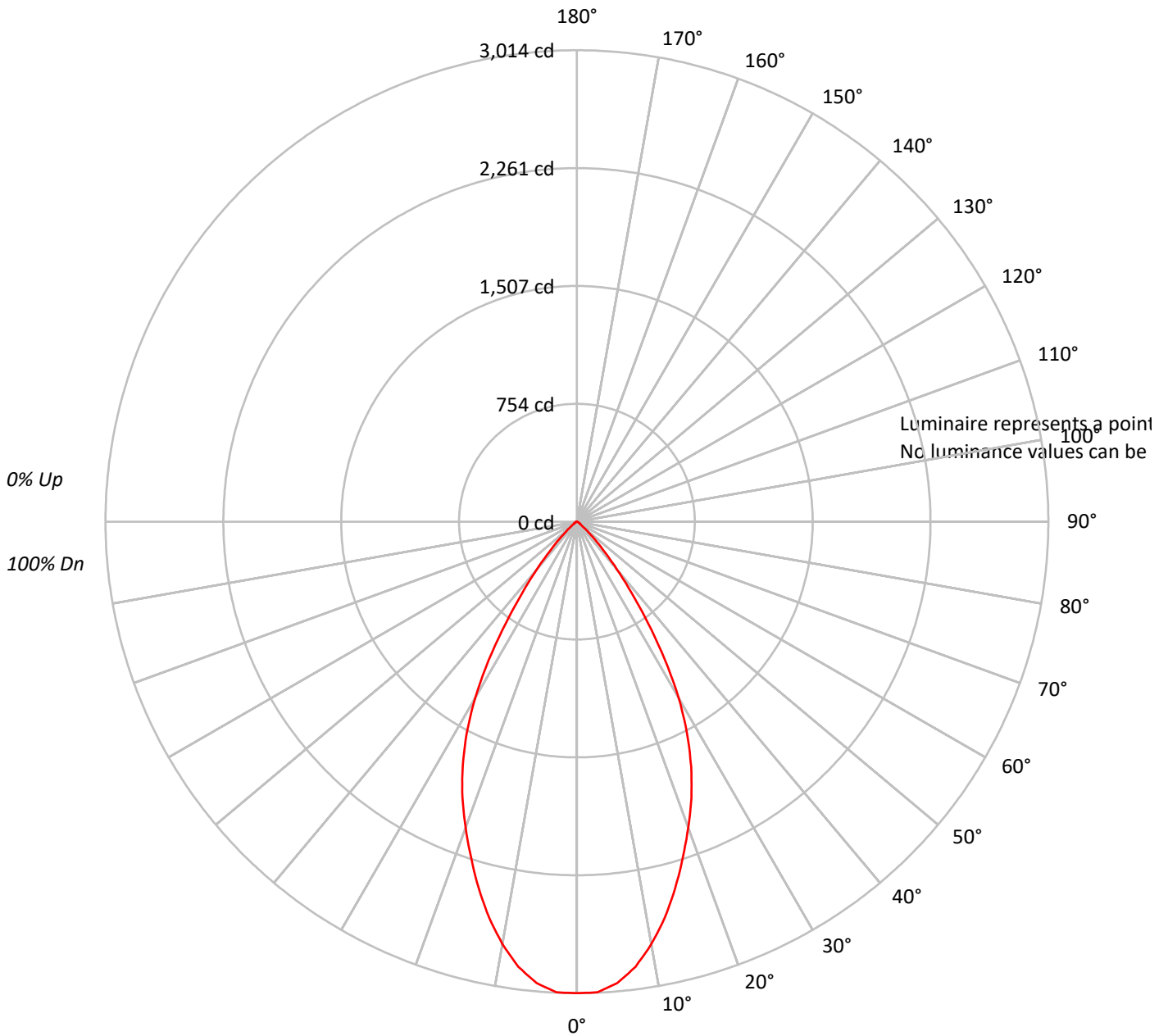
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203354

CATALOG NUMBER: LSR6B30D010BZ EC6B30508040 6LBMWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203354

CATALOG NUMBER: LSR6B30D010BZ EC6B30508040 6LBMWH1

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94		
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87		
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81		
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76		
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71		
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66		
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62		
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58		
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55		
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52		

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





TEST NUMBER: P203354

CATALOG NUMBER: LSR6B30D010BZ EC6B30508040 6LBMWH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.6	11.4
10°-20°	676.5	28.0
20°-30°	782.8	32.4
30°-40°	500.3	20.7
40°-50°	141.9	5.9
50°-60°	25.3	1.0
60°-70°	10.3	0.4
70°-80°	3.6	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°	1734.8	71.8
0°-40°	2235.2	92.5
0°-60°	2402.4	99.4
0°-90°	2416.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2416.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3014	
5°	2961	276
15°	2426	677
25°	1727	783
35°	790	500
45°	165	142
55°	24	25
65°	10	10
75°	3	4
85°	0	0
90°	0	



TEST NUMBER: P203354

CATALOG NUMBER: LSR6B30D010BZ EC6B30508040 6LBMWH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3014.3
2.5°	3011.0
5°	2960.6
7.5°	2869.8
10°	2742.1
12.5°	2594.3
15°	2426.2
17.5°	2251.5
20°	2080.1
22.5°	1912.1
25°	1727.3
27.5°	1525.6
30°	1300.5
32.5°	1048.5
35°	789.7
37.5°	571.3
40°	396.5
42.5°	262.1
45°	164.7
47.5°	97.5
50°	57.1
52.5°	33.6
55°	23.5
57.5°	20.2
60°	16.8
62.5°	13.4
65°	10.1
67.5°	6.7
70°	6.7
72.5°	3.4
75°	3.4
77.5°	3.4
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)