

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: P205514

Luminaire Tested: **LSR6B30D010BZ EC6B30509024 6LBMGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205514  
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 EC6B30509024 6LBMGPH1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE 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: 1191.4 lumens  
Efficiency: N/A  
Efficacy: 42.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

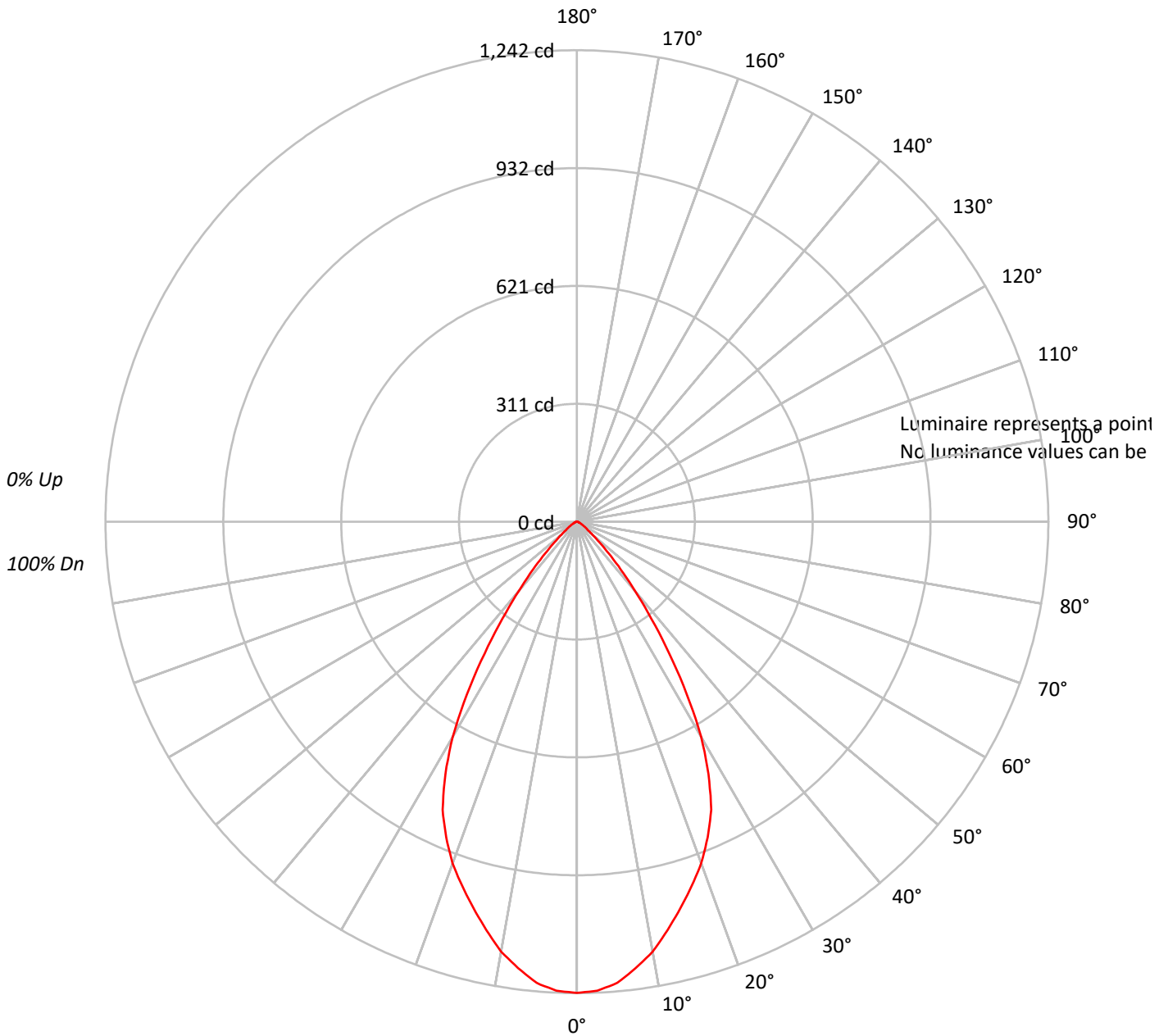
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93						93													
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86						86													
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79						79													
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73						73													
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68						68													
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63						63													
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59						59													
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55						55													
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51						51													
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48						48													

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.1	9.6
10°-20°	296.0	24.8
20°-30°	377.1	31.7
30°-40°	266.5	22.4
40°-50°	97.3	8.2
50°-60°	27.0	2.3
60°-70°	9.8	0.8
70°-80°	3.5	0.3
80°-90°	0.3	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°	787.1	66.1
0°-40°	1053.6	88.4
0°-60°	1177.8	98.9
0°-90°	1191.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1191.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1242	
5°	1220	114
15°	1054	296
25°	837	377
35°	424	266
45°	118	97
55°	29	27
65°	10	10
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1241.5
2.5°	1236.7
5°	1219.9
7.5°	1186.2
10°	1150.1
12.5°	1102.0
15°	1053.9
17.5°	1005.7
20°	957.6
22.5°	899.9
25°	837.3
27.5°	750.7
30°	654.4
32.5°	539.0
35°	423.5
37.5°	322.4
40°	235.8
42.5°	170.8
45°	117.9
47.5°	79.4
50°	52.9
52.5°	36.1
55°	28.9
57.5°	21.7
60°	16.8
62.5°	12.0
65°	9.6
67.5°	7.2
70°	4.8
72.5°	4.8
75°	2.4
77.5°	2.4
80°	2.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)