

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: P295109

Luminaire Tested: **LD6B30DE010 EU6B30509030D2W 6LBM0LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P295109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35286)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B30DE010 EU6B30509030D2W 6LBM0LI  
Description: PORTFOLIO 6" D2W RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH SPECULAR FINISH  
Light Source: D2W 1800K-3000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2244.9 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.87  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

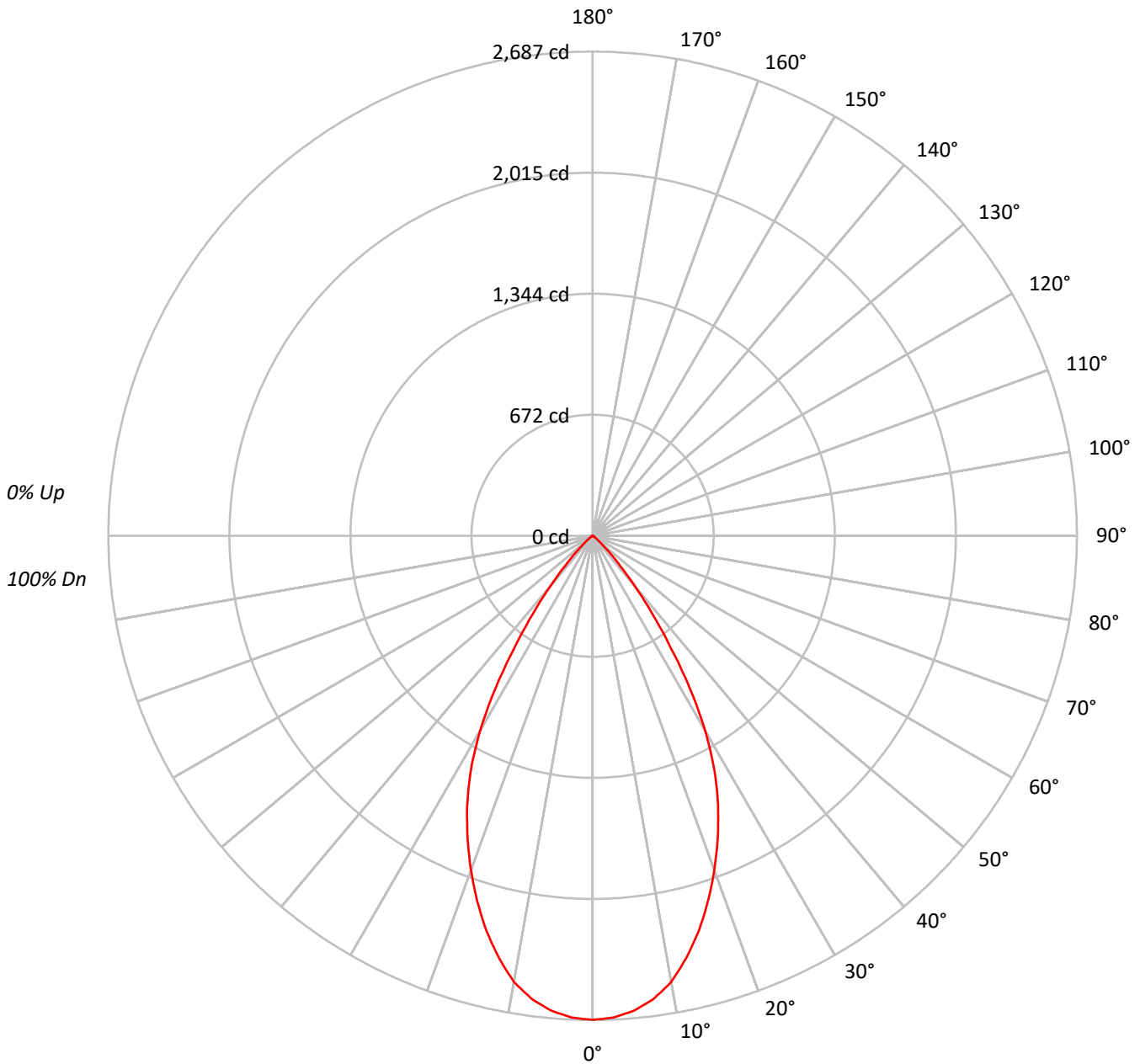
Input Watts (W): 30.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	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	107	105	105	103	101	101	100	98	98	96	95	94				94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87				87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81				81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76				76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71				71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66				66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62				62
8	80	71	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58				58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	63	59	56	55				55
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52				52

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

	0°
0°	175275
5°	173214
10°	166558
15°	153469
20°	137092
25°	118516
30°	94069
35°	59582
40°	30787
45°	12576
50°	3948
55°	1581
60°	1083
65°	864
70°	534
75°	706
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.3	11.1
10°-20°	633.1	28.2
20°-30°	746.4	33.3
30°-40°	475.3	21.2
40°-50°	120.0	5.3
50°-60°	15.1	0.7
60°-70°	4.8	0.2
70°-80°	1.8	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°	1627.9	72.5
0°-40°	2103.2	93.7
0°-60°	2238.2	99.7
0°-90°	2244.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2244.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2687	
5°	2645	248
15°	2272	633
25°	1646	746
35°	748	475
45°	136	120
55°	14	15
65°	6	5
75°	3	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2686.6
2.5°	2675.5
5°	2644.9
7.5°	2592.0
10°	2514.2
12.5°	2400.1
15°	2272.2
17.5°	2127.6
20°	1974.6
22.5°	1813.3
25°	1646.4
27.5°	1462.9
30°	1248.7
32.5°	1004.0
35°	748.1
37.5°	539.5
40°	361.5
42.5°	225.3
45°	136.3
47.5°	75.1
50°	38.9
52.5°	19.5
55°	13.9
57.5°	11.1
60°	8.3
62.5°	5.6
65°	5.6
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)