

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: P295263

Luminaire Tested: **LD4B30DE010 EU4B30509030D2W 4LBN0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P295263  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35178)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD4B30DE010 EU4B30509030D2W 4LBN0H  
Description: PORTFOLIO 4" D2W RN DOWNLIGHT, NARROW DISTRIBUTION WITH HAZE FINISH  
Light Source: D2W 1800K-3000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1507.0 lumens  
Efficiency: N/A  
Efficacy: 49.4 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

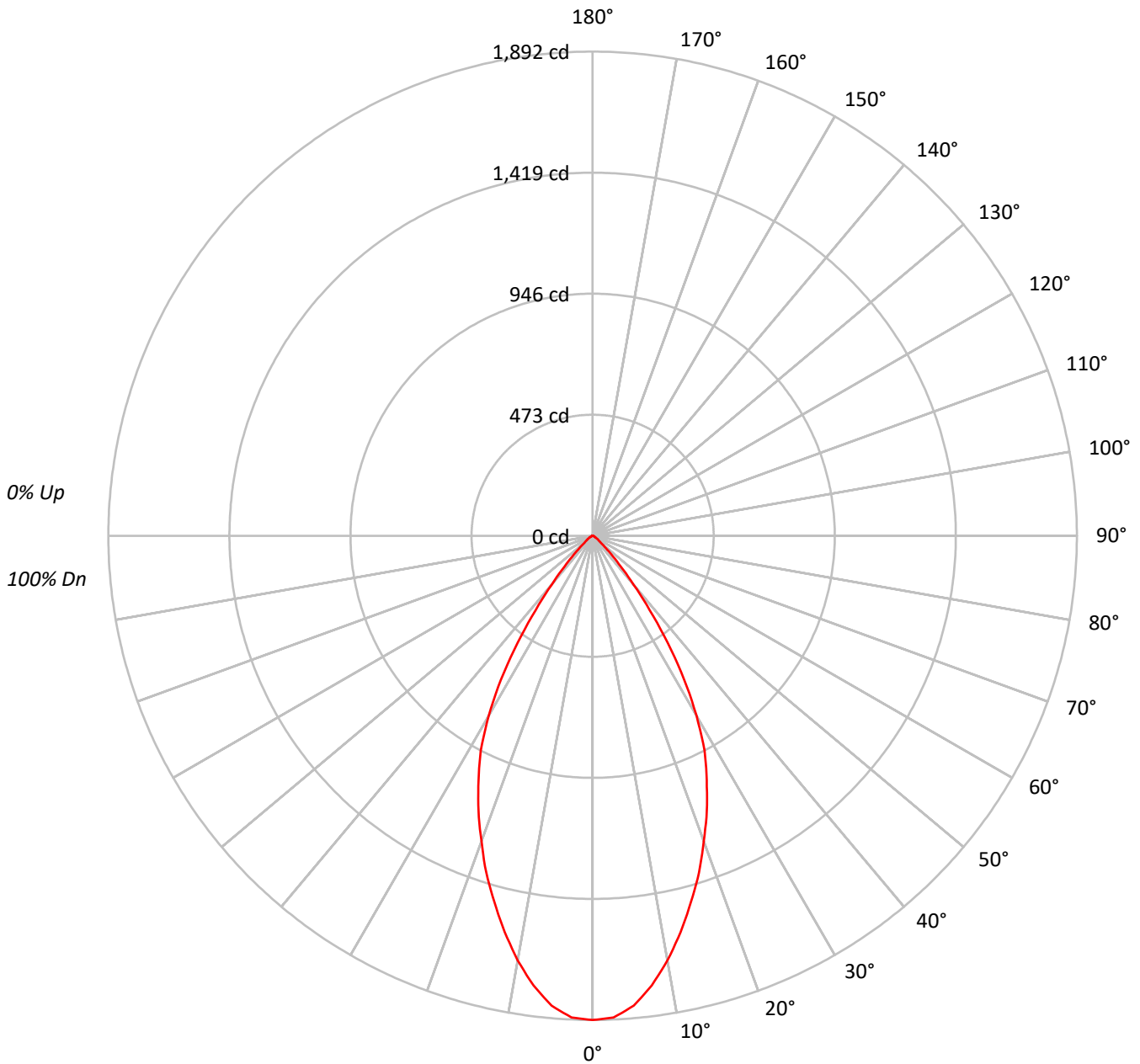
Input Watts (W): 30.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

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

	0°
0°	206732
5°	202137
10°	186900
15°	167704
20°	147620
25°	127054
30°	102306
35°	68105
40°	35444
45°	16039
50°	6969
55°	4686
60°	2994
65°	2120
70°	1757
75°	1140
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.7	11.3
10°-20°	414.1	27.5
20°-30°	480.8	31.9
30°-40°	318.4	21.1
40°-50°	89.3	5.9
50°-60°	22.4	1.5
60°-70°	8.4	0.6
70°-80°	2.9	0.2
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°	1065.6	70.7
0°-40°	1384.0	91.8
0°-60°	1495.8	99.3
0°-90°	1507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1892	
5°	1843	171
15°	1483	414
25°	1054	481
35°	511	318
45°	104	89
55°	25	22
65°	8	8
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1892.1
2.5°	1883.9
5°	1843.0
7.5°	1772.0
10°	1684.6
12.5°	1586.3
15°	1482.6
17.5°	1381.5
20°	1269.6
22.5°	1165.8
25°	1053.9
27.5°	947.4
30°	810.9
32.5°	666.2
35°	510.6
37.5°	365.9
40°	248.5
42.5°	161.1
45°	103.8
47.5°	62.8
50°	41.0
52.5°	30.0
55°	24.6
57.5°	19.1
60°	13.7
62.5°	10.9
65°	8.2
67.5°	5.5
70°	5.5
72.5°	2.7
75°	2.7
77.5°	2.7
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)