

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: P295266

Luminaire Tested: **LD4B30DE010 EU4B30509030D2W 4LBM0MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P295266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35177)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD4B30DE010 EU4B30509030D2W 4LBM0MW  
Description: PORTFOLIO 4" D2W RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH MATTE WHITE FINISH  
Light Source: D2W 1800K-3000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1887.1 lumens  
Efficiency: N/A  
Efficacy: 61.9 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

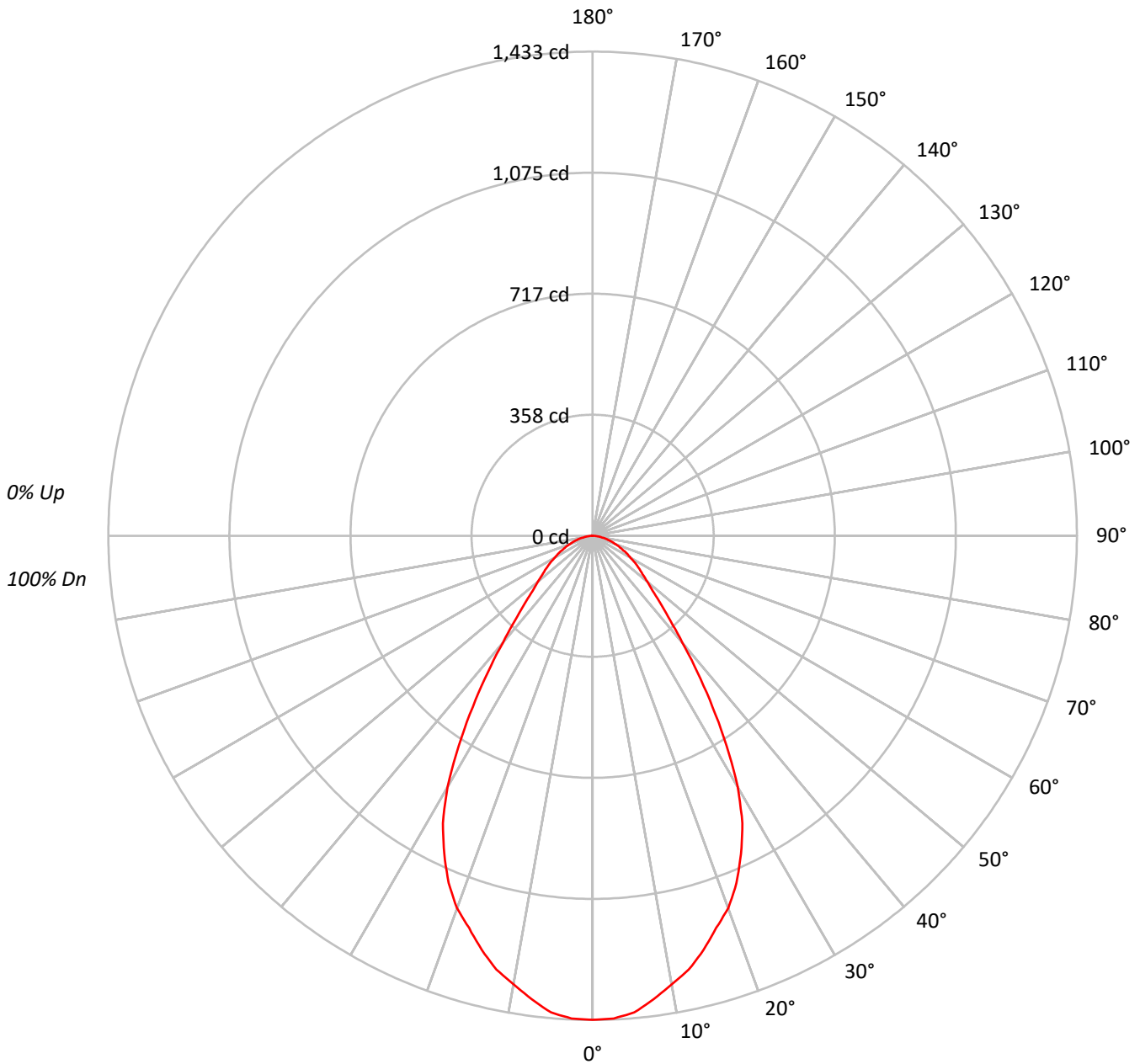
Input Watts (W): 30.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P295266

CATALOG NUMBER: LD4B30DE010 EU4B30509030D2W 4LBM0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P295266

CATALOG NUMBER: LD4B30DE010 EU4B30509030D2W 4LBM0MW

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89																			
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80																			
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71																			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64																			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58																			
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53																			
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49																			
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45																			
9	67	55	48	44	66	55	48	44	54	48	44	53	47	43	52	47	43	42																			
10	63	52	45	41	62	51	45	41	51	45	40	50	44	40	49	44	40	39																			

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

	0°
0°	156527
5°	155326
10°	149544
15°	143498
20°	136376
25°	125246
30°	108311
35°	82417
40°	58878
45°	43929
50°	35781
55°	31774
60°	28080
65°	25440
70°	22713
75°	20770
80°	17177
85°	13665



TEST NUMBER: P295266

CATALOG NUMBER: LD4B30DE010 EU4B30509030D2W 4LBM0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.8	7.0
10°-20°	356.0	18.9
20°-30°	473.3	25.1
30°-40°	387.1	20.5
40°-50°	225.5	11.9
50°-60°	149.5	7.9
60°-70°	98.3	5.2
70°-80°	51.9	2.7
80°-90°	12.6	0.7
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°	962.1	51.0
0°-40°	1349.3	71.5
0°-60°	1724.3	91.4
0°-90°	1887.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1887.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1433	
5°	1416	133
15°	1269	356
25°	1039	473
35°	618	387
45°	284	225
55°	167	150
65°	98	98
75°	49	52
85°	11	13
90°	0	



TEST NUMBER: P295266

CATALOG NUMBER: LD4B30DE010 EU4B30509030D2W 4LBM0MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1432.6
2.5°	1429.9
5°	1416.2
7.5°	1383.4
10°	1347.9
12.5°	1315.0
15°	1268.6
17.5°	1216.6
20°	1172.9
22.5°	1112.7
25°	1038.9
27.5°	959.6
30°	858.5
32.5°	738.2
35°	617.9
37.5°	508.5
40°	412.8
42.5°	339.0
45°	284.3
47.5°	240.6
50°	210.5
52.5°	185.9
55°	166.8
57.5°	147.6
60°	128.5
62.5°	114.8
65°	98.4
67.5°	84.8
70°	71.1
72.5°	60.1
75°	49.2
77.5°	38.3
80°	27.3
82.5°	19.1
85°	10.9
87.5°	2.7
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)