

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: P295111

Luminaire Tested: **LD6B30DE010 EU6B30509030D2W 6LBM0MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P295111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35129)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30DE010 EU6B30509030D2W 6LBM0MW
Description: PORTFOLIO 6" 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: 2012.1 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

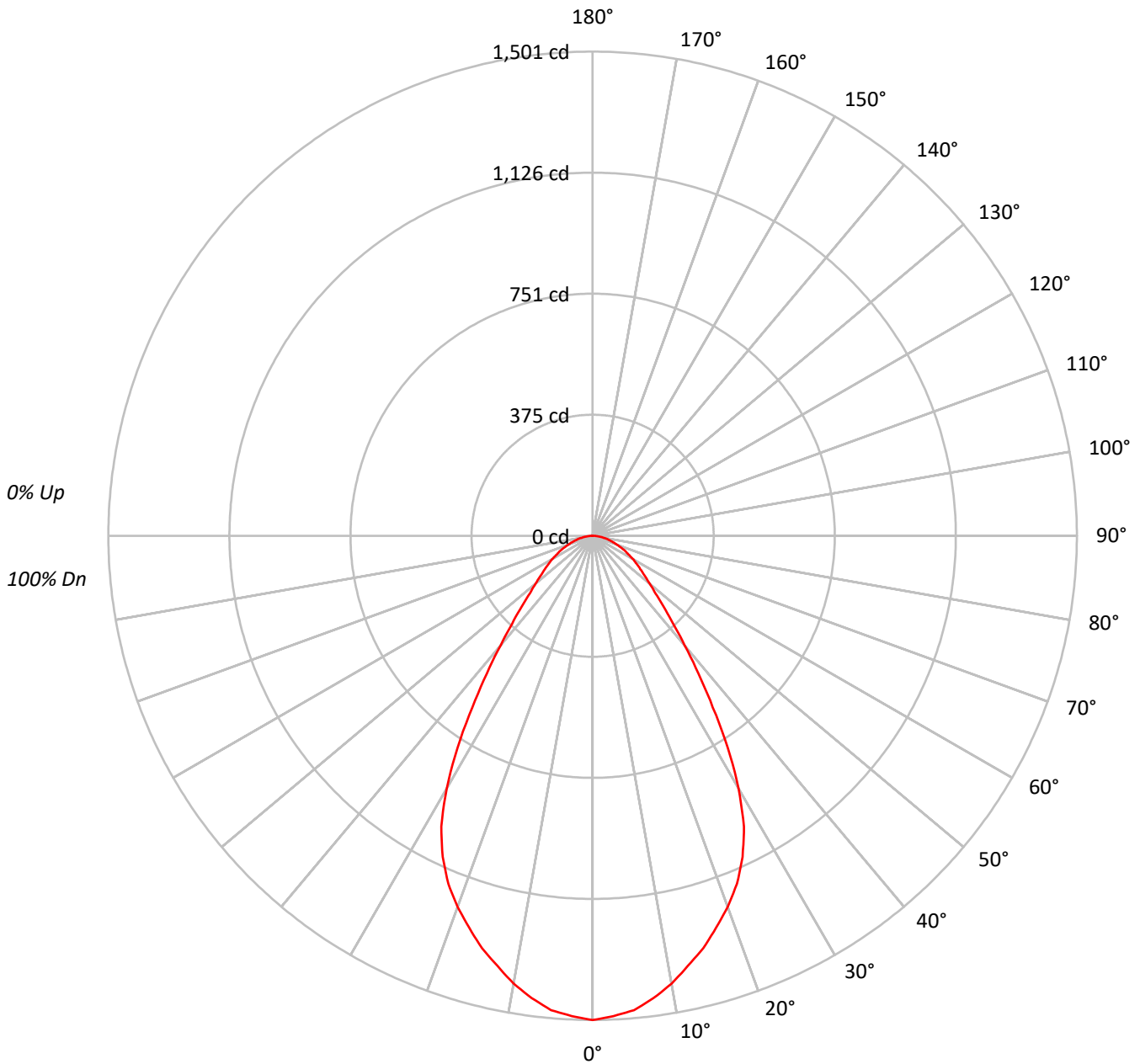
Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97946
5°	96683
10°	93388
15°	89405
20°	84966
25°	79104
30°	68154
35°	51721
40°	37814
45°	28676
50°	23375
55°	20519
60°	18828
65°	17135
70°	15355
75°	13990
80°	12511
85°	10405



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	6.9
10°-20°	371.5	18.5
20°-30°	498.8	24.8
30°-40°	409.2	20.3
40°-50°	245.7	12.2
50°-60°	163.3	8.1
60°-70°	109.5	5.4
70°-80°	58.9	2.9
80°-90°	16.6	0.8
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°	1008.9	50.1
0°-40°	1418.1	70.5
0°-60°	1827.1	90.8
0°-90°	2012.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2012.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1501	
5°	1476	139
15°	1324	371
25°	1099	499
35°	649	409
45°	311	246
55°	180	163
65°	111	109
75°	56	59
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1501.3
2.5°	1490.2
5°	1476.3
7.5°	1445.8
10°	1409.7
12.5°	1365.3
15°	1323.7
17.5°	1273.7
20°	1223.8
22.5°	1168.3
25°	1098.9
27.5°	1015.7
30°	904.7
32.5°	779.8
35°	649.4
37.5°	538.4
40°	444.0
42.5°	369.1
45°	310.8
47.5°	263.6
50°	230.3
52.5°	202.6
55°	180.4
57.5°	161.0
60°	144.3
62.5°	124.9
65°	111.0
67.5°	94.4
70°	80.5
72.5°	66.6
75°	55.5
77.5°	44.4
80°	33.3
82.5°	25.0
85°	13.9
87.5°	5.6
90°	0.0



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— 0°-180°







(END OF REPORT)