

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: P295112

Luminaire Tested: **LD6B30DE010 EU6B30509030D2W 6LBM0WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P295112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35126)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30DE010 EU6B30509030D2W 6LBM0WH
Description: PORTFOLIO 6" D2W RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH WHEAT FINISH
Light Source: D2W 1800K-3000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1980.4 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

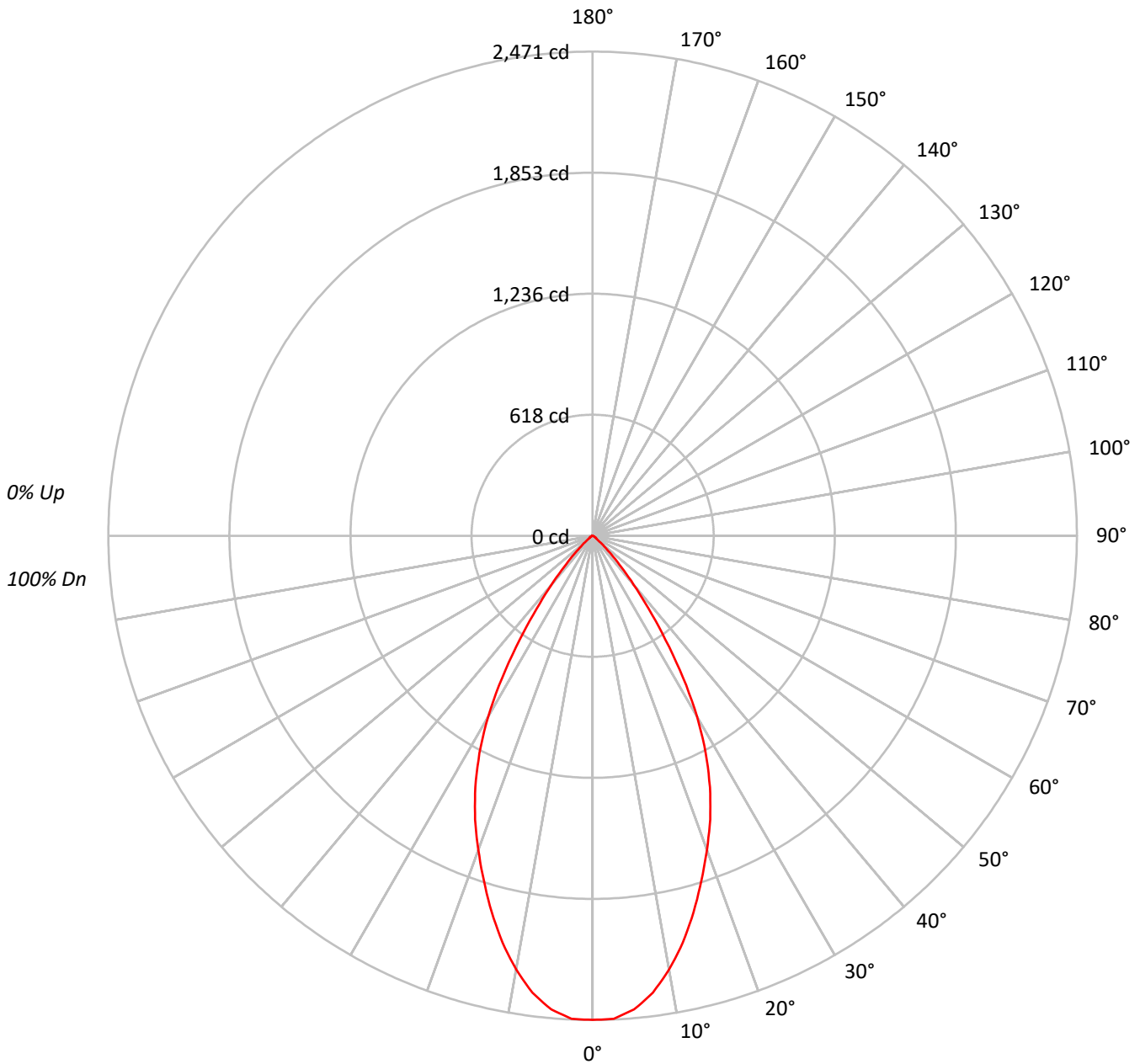
Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	161183
5°	158911
10°	148890
15°	134314
20°	118367
25°	101909
30°	80298
35°	51554
40°	27679
45°	12456
50°	4750
55°	2195
60°	1801
65°	1281
70°	1049
75°	706
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	11.4
10°-20°	554.5	28.0
20°-30°	641.6	32.4
30°-40°	410.1	20.7
40°-50°	116.3	5.9
50°-60°	20.7	1.0
60°-70°	8.5	0.4
70°-80°	2.9	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°	1421.9	71.8
0°-40°	1832.0	92.5
0°-60°	1969.0	99.4
0°-90°	1980.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1980.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2471	
5°	2426	226
15°	1989	554
25°	1416	642
35°	647	410
45°	135	116
55°	19	21
65°	8	8
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2470.6
2.5°	2467.8
5°	2426.5
7.5°	2352.2
10°	2247.5
12.5°	2126.3
15°	1988.6
17.5°	1845.4
20°	1704.9
22.5°	1567.2
25°	1415.7
27.5°	1250.4
30°	1065.9
32.5°	859.3
35°	647.3
37.5°	468.2
40°	325.0
42.5°	214.8
45°	135.0
47.5°	79.9
50°	46.8
52.5°	27.5
55°	19.3
57.5°	16.5
60°	13.8
62.5°	11.0
65°	8.3
67.5°	5.5
70°	5.5
72.5°	2.8
75°	2.8
77.5°	2.8
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)