

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: P295110

Luminaire Tested: **LD6B30DE010 EU6B30509030D2W 6LBM0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P295110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35125)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30DE010 EU6B30509030D2W 6LBM0H
Description: PORTFOLIO 6" D2W RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH HAZE FINISH
Light Source: D2W 1800K-3000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1833.8 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

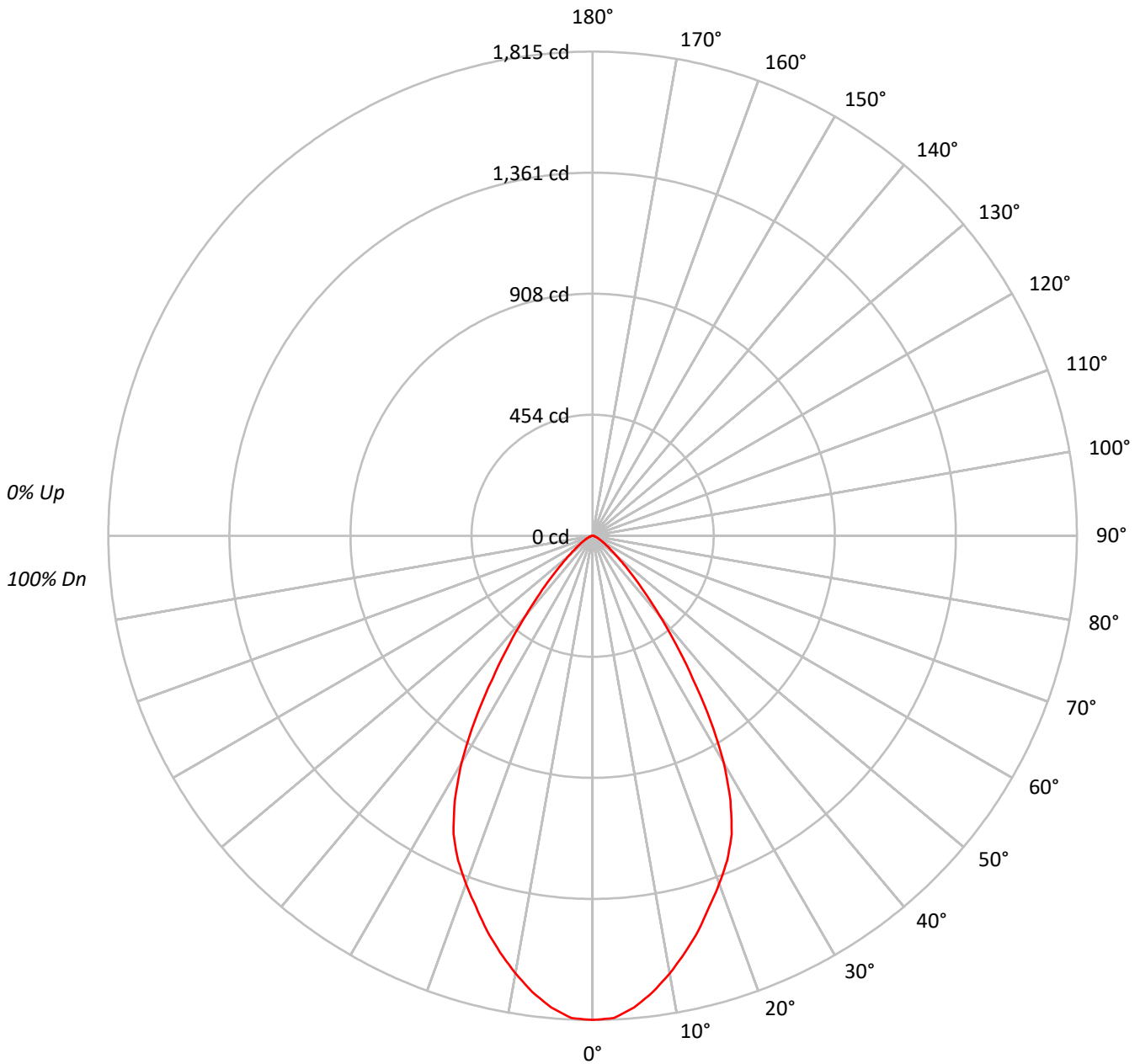
Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118399
5°	116277
10°	110334
15°	103474
20°	96359
25°	88786
30°	73977
35°	52143
40°	33232
45°	19809
50°	11692
55°	7450
60°	5128
65°	3643
70°	2499
75°	1991
80°	977
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	9.0
10°-20°	429.3	23.4
20°-30°	556.2	30.3
30°-40°	413.0	22.5
40°-50°	174.3	9.5
50°-60°	61.9	3.4
60°-70°	23.9	1.3
70°-80°	8.3	0.5
80°-90°	1.1	0.1
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°	1151.4	62.8
0°-40°	1564.4	85.3
0°-60°	1800.6	98.2
0°-90°	1833.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1833.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1815	
5°	1776	166
15°	1532	429
25°	1233	556
35°	655	413
45°	215	174
55°	66	62
65°	24	24
75°	8	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1814.8
2.5°	1809.5
5°	1775.5
7.5°	1725.7
10°	1665.5
12.5°	1600.0
15°	1532.0
17.5°	1456.0
20°	1387.9
22.5°	1317.2
25°	1233.4
27.5°	1118.2
30°	982.0
32.5°	822.3
35°	654.7
37.5°	513.3
40°	390.2
42.5°	290.7
45°	214.7
47.5°	157.1
50°	115.2
52.5°	86.4
55°	65.5
57.5°	49.8
60°	39.3
62.5°	28.8
65°	23.6
67.5°	18.3
70°	13.1
72.5°	10.5
75°	7.9
77.5°	5.2
80°	2.6
82.5°	2.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)