

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: P295116

Luminaire Tested: **LD6B30DE010 EU6B30509030D2W 6LBW0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P295116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35120)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30DE010 EU6B30509030D2W 6LBW0H
Description: PORTFOLIO 6" D2W RN DOWNLIGHT, WIDE DISTRIBUTION WITH HAZE FINISH
Light Source: D2W 1800K-3000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2218.9 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

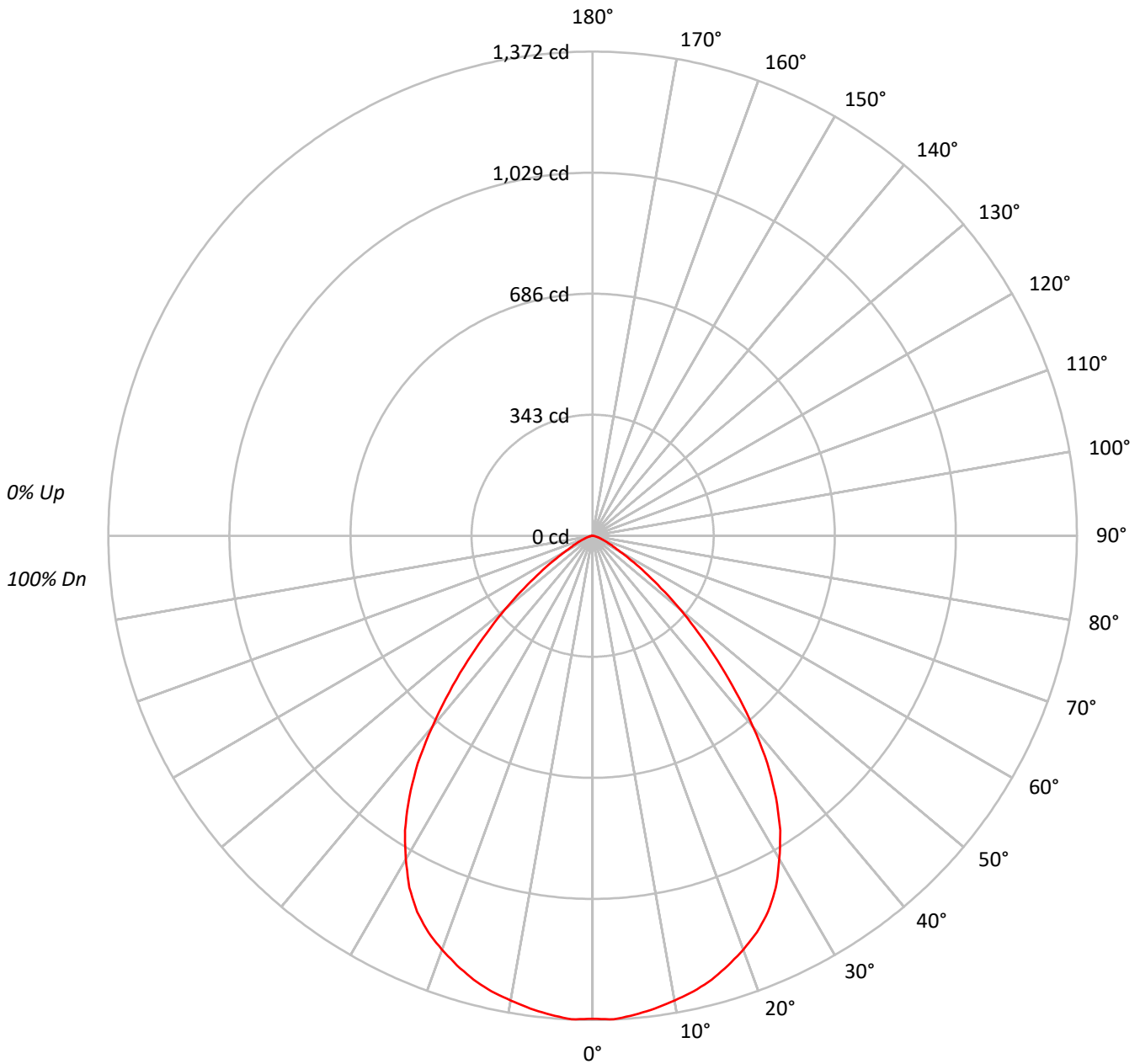
Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41		
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89288
5°	89256
10°	88572
15°	87974
20°	86639
25°	84654
30°	79710
35°	72134
40°	60238
45°	46160
50°	32682
55°	20599
60°	11626
65°	7549
70°	4940
75°	3630
80°	2179
85°	2171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	5.8
10°-20°	366.8	16.5
20°-30°	537.8	24.2
30°-40°	559.7	25.2
40°-50°	387.2	17.5
50°-60°	168.6	7.6
60°-70°	51.7	2.3
70°-80°	15.5	0.7
80°-90°	2.4	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°	1033.9	46.6
0°-40°	1593.6	71.8
0°-60°	2149.4	96.9
0°-90°	2218.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2218.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1369	
5°	1363	129
15°	1302	367
25°	1176	538
35°	906	560
45°	500	387
55°	181	169
65°	49	52
75°	14	16
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1368.6
2.5°	1371.5
5°	1362.9
7.5°	1351.4
10°	1337.0
12.5°	1322.6
15°	1302.5
17.5°	1276.6
20°	1247.9
22.5°	1216.3
25°	1176.0
27.5°	1124.2
30°	1058.1
32.5°	989.1
35°	905.7
37.5°	813.7
40°	707.3
42.5°	600.9
45°	500.3
47.5°	405.4
50°	322.0
52.5°	244.4
55°	181.1
57.5°	129.4
60°	89.1
62.5°	66.1
65°	48.9
67.5°	37.4
70°	25.9
72.5°	20.1
75°	14.4
77.5°	8.6
80°	5.8
82.5°	2.9
85°	2.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)