

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: P295114

Luminaire Tested: **LD6B30DE010 EU6B30509030D2W 6LBM0GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P295114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30DE010 EU6B30509030D2W 6LBM0GPH
Description: PORTFOLIO 6" D2W RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH GRAPHITE HAZE FINISH
Light Source: D2W 1800K-3000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1399.8 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

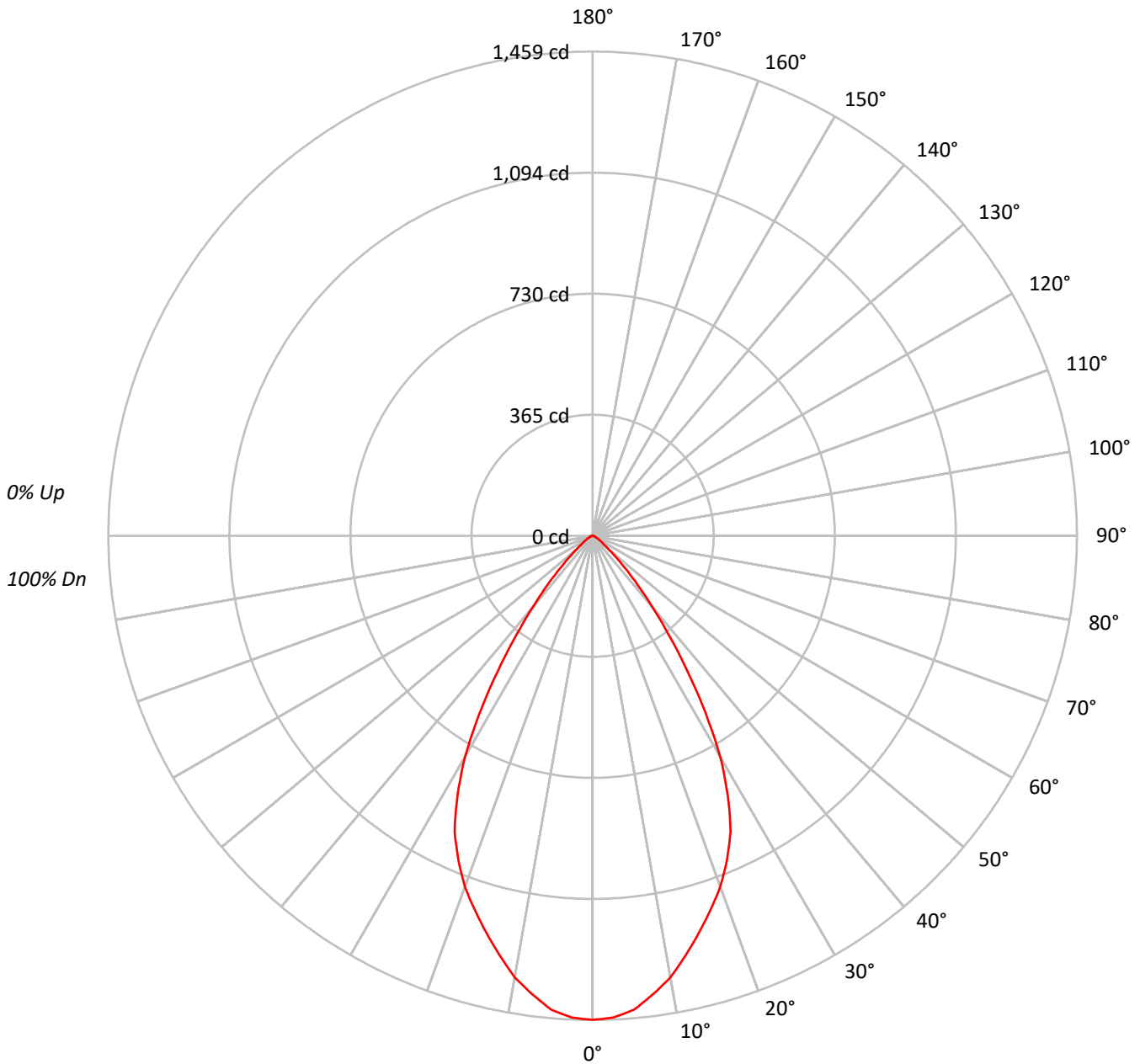
Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93																												
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86																												
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79																												
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73																												
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68																												
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63																												
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																												
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55																												
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51																												
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95167
5°	93860
10°	89513
15°	83631
20°	78113
25°	70812
30°	57924
35°	39623
40°	23591
45°	12779
50°	6313
55°	3856
60°	2584
65°	1744
70°	1087
75°	706
80°	1052
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	9.6
10°-20°	347.7	24.8
20°-30°	443.0	31.6
30°-40°	313.1	22.4
40°-50°	114.3	8.2
50°-60°	31.7	2.3
60°-70°	11.5	0.8
70°-80°	4.1	0.3
80°-90°	0.4	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°	924.7	66.1
0°-40°	1237.8	88.4
0°-60°	1383.8	98.9
0°-90°	1399.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1399.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1459	
5°	1433	134
15°	1238	348
25°	984	443
35°	498	313
45°	138	114
55°	34	32
65°	11	11
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1458.7
2.5°	1453.0
5°	1433.2
7.5°	1393.6
10°	1351.2
12.5°	1294.7
15°	1238.2
17.5°	1181.6
20°	1125.1
22.5°	1057.2
25°	983.7
27.5°	882.0
30°	768.9
32.5°	633.2
35°	497.5
37.5°	378.8
40°	277.0
42.5°	200.7
45°	138.5
47.5°	93.3
50°	62.2
52.5°	42.4
55°	33.9
57.5°	25.4
60°	19.8
62.5°	14.1
65°	11.3
67.5°	8.5
70°	5.7
72.5°	5.7
75°	2.8
77.5°	2.8
80°	2.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)