

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: P35288

Luminaire Tested: **LD6B10D010 EU6B10209027 6LBSLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P35288  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B10D010 EU6B10209027 6LBSLI1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 941.3 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

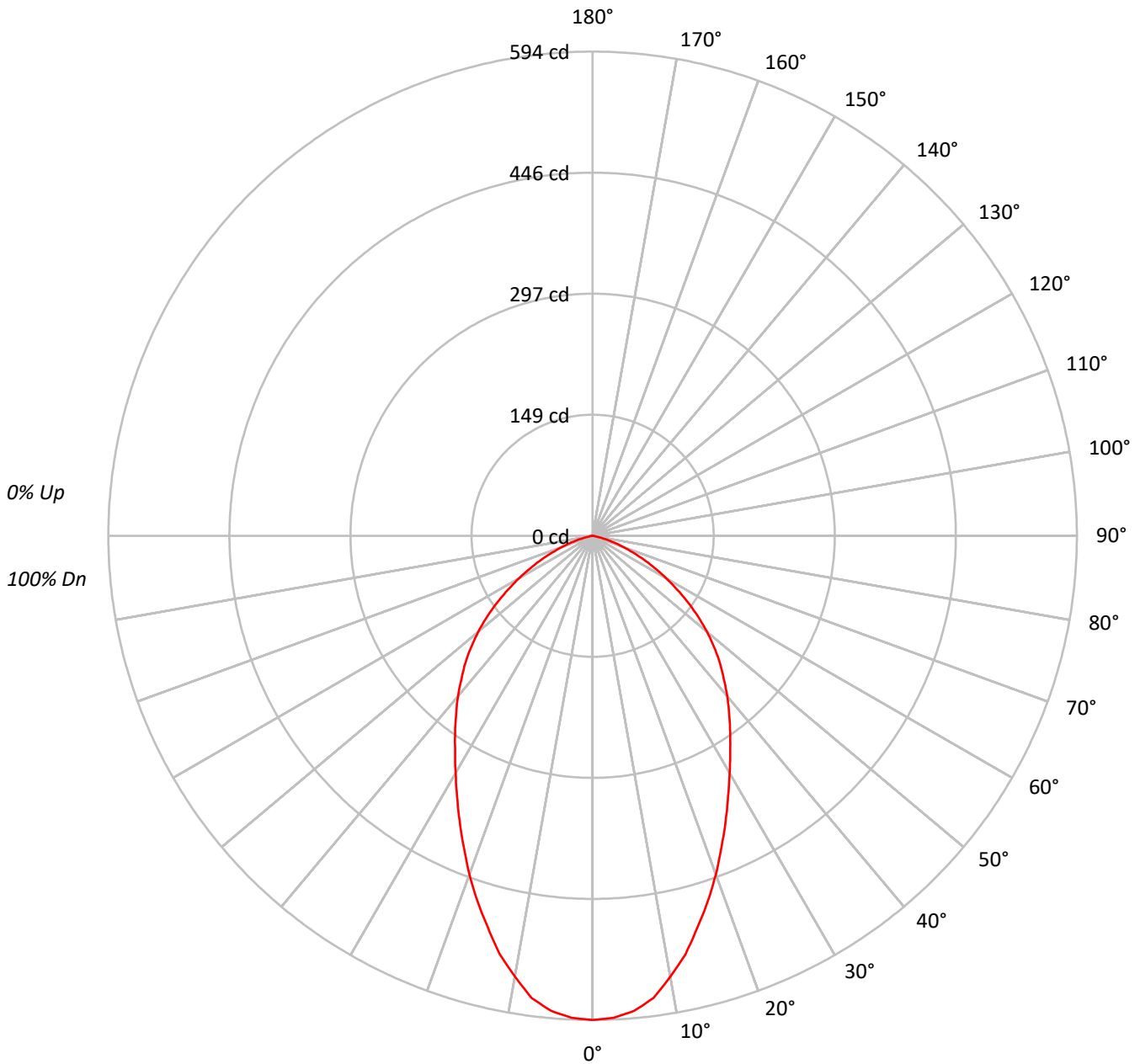
Input Watts (W): 9.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			33

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	38753
5°	38312
10°	36370
15°	33568
20°	30687
25°	27786
30°	25312
35°	23415
40°	21888
45°	20390
50°	18574
55°	16265
60°	13570
65°	10652
70°	7439
75°	4033
80°	751
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.7	5.8
10°-20°	139.3	14.8
20°-30°	177.7	18.9
30°-40°	184.3	19.6
40°-50°	169.8	18.0
50°-60°	127.7	13.6
60°-70°	68.9	7.3
70°-80°	18.5	2.0
80°-90°	0.3	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°	371.8	39.5
0°-40°	556.1	59.1
0°-60°	853.6	90.7
0°-90°	941.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	594	
5°	585	55
15°	497	139
25°	386	178
35°	294	184
45°	221	170
55°	143	128
65°	69	69
75°	16	18
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	594
2.5°	592
5°	585
7.5°	572
10°	549
12.5°	526
15°	497
17.5°	470
20°	442
22.5°	413
25°	386
27.5°	360
30°	336
32.5°	314
35°	294
37.5°	275
40°	257
42.5°	238
45°	221
47.5°	202
50°	183
52.5°	163
55°	143
57.5°	123
60°	104
62.5°	86
65°	69
67.5°	53
70°	39
72.5°	27
75°	16
77.5°	7
80°	2
82.5°	0
85°	0
87.5°	0
90°	0



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— 0°-180°







(END OF REPORT)