

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: P202536

Luminaire Tested: **LD6B30D010 EU6B30509040 6LBSWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202536  
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: LD6B30D010 EU6B30509040 6LBSWMH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2694.7 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

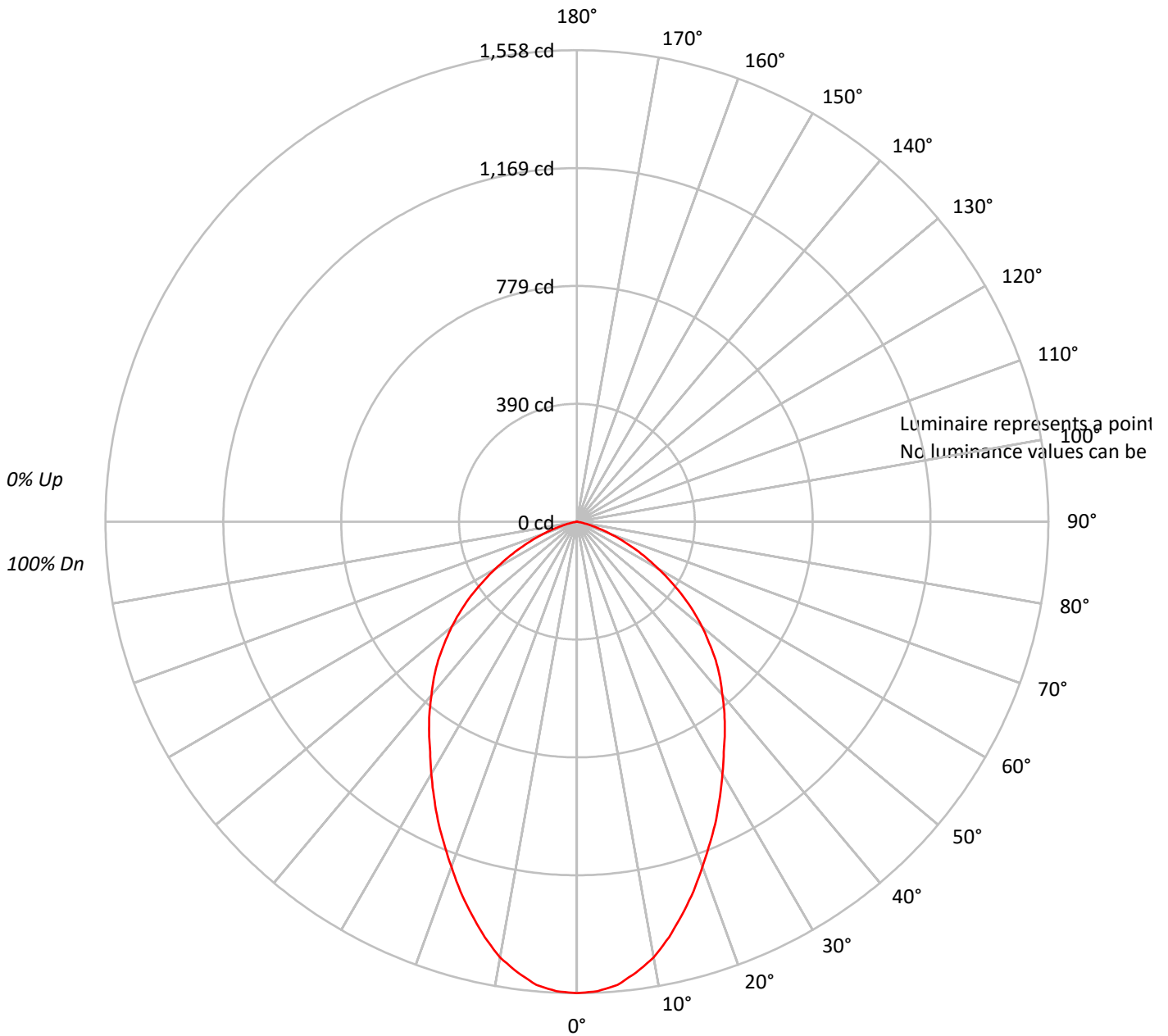
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77			
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67			
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47			
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42			
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38			
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35			
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.2	5.4
10°-20°	376.9	14.0
20°-30°	499.7	18.5
30°-40°	533.0	19.8
40°-50°	498.3	18.5
50°-60°	379.9	14.1
60°-70°	206.6	7.7
70°-80°	55.5	2.1
80°-90°	0.7	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°	1020.8	37.9
0°-40°	1553.8	57.7
0°-60°	2431.9	90.2
0°-90°	2694.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1558	
5°	1537	144
15°	1344	377
25°	1088	500
35°	852	533
45°	649	498
55°	428	380
65°	206	207
75°	48	55
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1558.2
2.5°	1553.3
5°	1536.8
7.5°	1502.1
10°	1462.5
12.5°	1406.4
15°	1343.7
17.5°	1280.9
20°	1213.2
22.5°	1148.9
25°	1087.8
27.5°	1023.4
30°	962.3
32.5°	902.9
35°	851.7
37.5°	800.6
40°	747.8
42.5°	699.9
45°	648.7
47.5°	592.6
50°	539.8
52.5°	483.6
55°	427.5
57.5°	366.5
60°	310.3
62.5°	257.5
65°	206.3
67.5°	160.1
70°	117.2
72.5°	80.9
75°	47.9
77.5°	21.5
80°	5.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)