

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: P203253

Luminaire Tested: **LD6B30D010 EU6B30509024 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203253  
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 EU6B30509024 6LBMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1560.8 lumens  
Efficiency: N/A  
Efficacy: 55.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

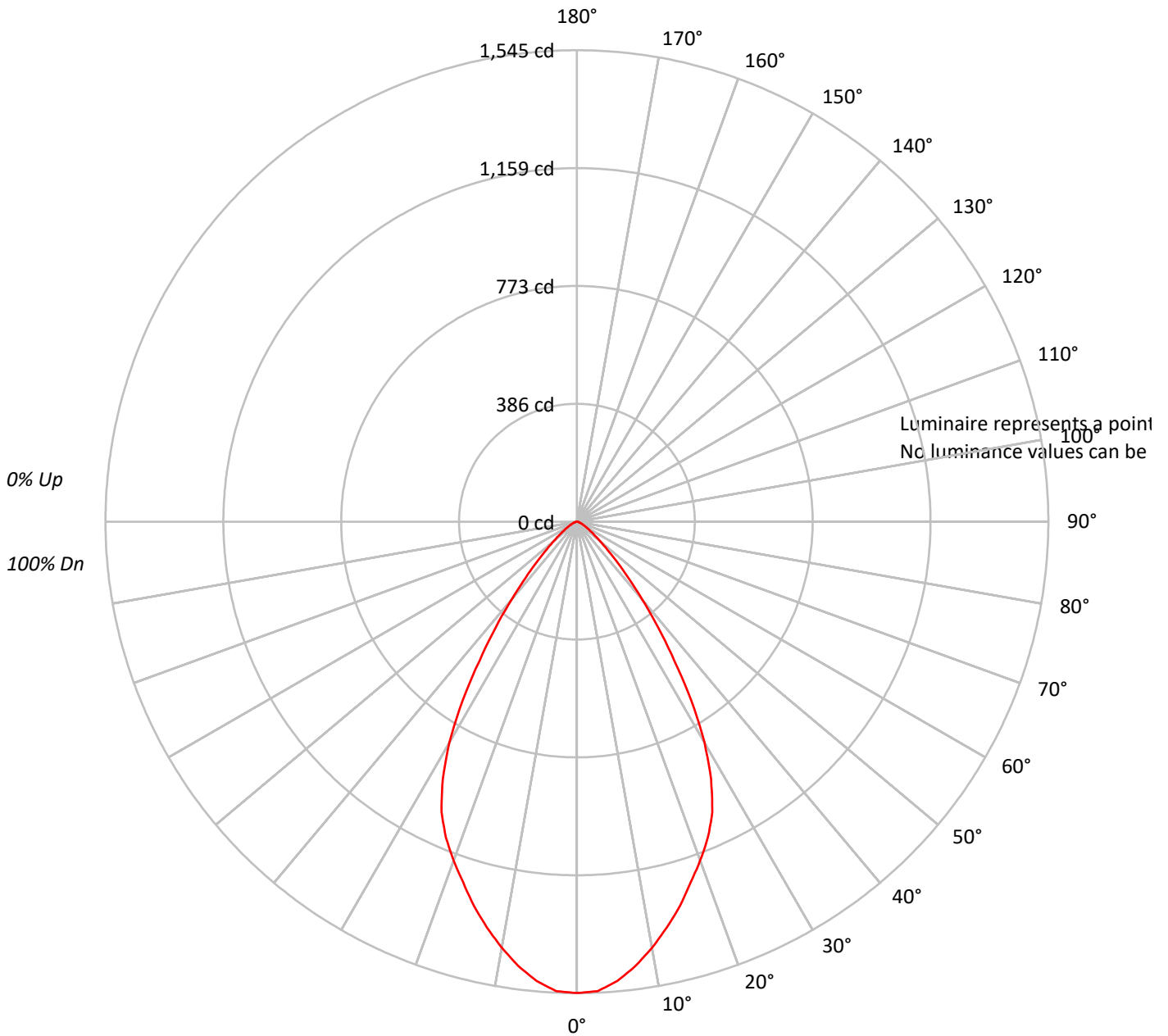
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92		
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72		
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53		
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49		
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.2	9.0
10°-20°	365.4	23.4
20°-30°	473.4	30.3
30°-40°	351.5	22.5
40°-50°	148.4	9.5
50°-60°	52.7	3.4
60°-70°	20.3	1.3
70°-80°	7.0	0.5
80°-90°	0.9	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°	980.0	62.8
0°-40°	1331.5	85.3
0°-60°	1532.5	98.2
0°-90°	1560.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1560.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1545	
5°	1511	141
15°	1304	365
25°	1050	473
35°	557	351
45°	183	148
55°	56	53
65°	20	20
75°	7	7
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1544.6
2.5°	1540.2
5°	1511.2
7.5°	1468.9
10°	1417.6
12.5°	1361.9
15°	1303.9
17.5°	1239.3
20°	1181.3
22.5°	1121.1
25°	1049.8
27.5°	951.7
30°	835.8
32.5°	699.9
35°	557.2
37.5°	436.9
40°	332.1
42.5°	247.4
45°	182.8
47.5°	133.7
50°	98.1
52.5°	73.6
55°	55.7
57.5°	42.3
60°	33.4
62.5°	24.5
65°	20.1
67.5°	15.6
70°	11.1
72.5°	8.9
75°	6.7
77.5°	4.5
80°	2.2
82.5°	2.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)