

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: P202689

Luminaire Tested: **LD6B70D010TE EU6B60709030 6LBMWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202689  
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: LD6B70D010TE EU6B60709030 6LBMWMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4748.7 lumens  
Efficiency: N/A  
Efficacy: 59.8 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

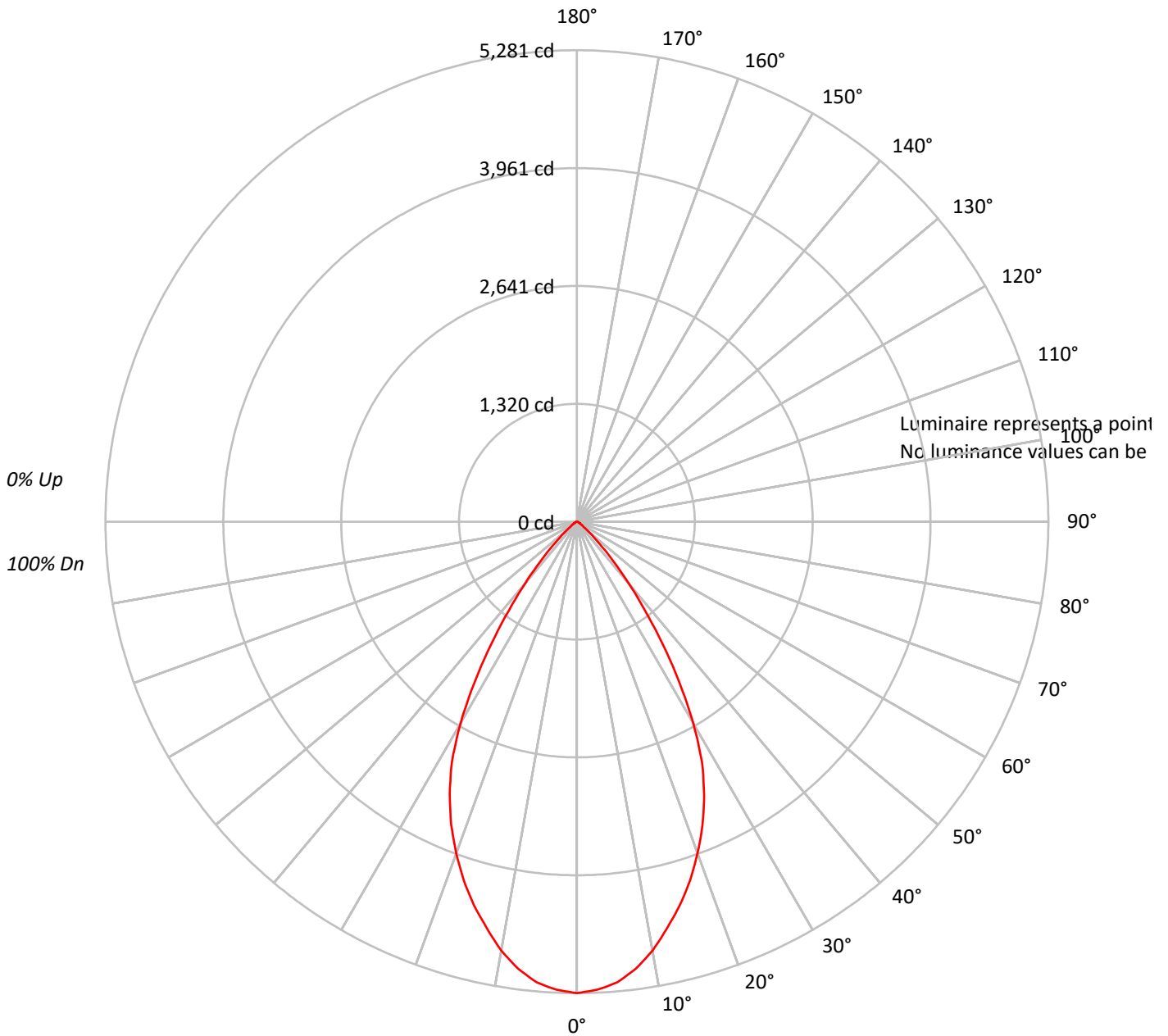
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86																			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74																			
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69																			
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64																			
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60																			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56																			
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53																			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	484.7	10.2
10°-20°	1244.2	26.2
20°-30°	1528.2	32.2
30°-40°	1047.9	22.1
40°-50°	336.8	7.1
50°-60°	68.3	1.4
60°-70°	26.8	0.6
70°-80°	10.1	0.2
80°-90°	1.6	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°	3257.1	68.6
0°-40°	4305.0	90.7
0°-60°	4710.2	99.2
0°-90°	4748.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4748.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5281	
5°	5180	485
15°	4451	1244
25°	3372	1528
35°	1672	1048
45°	399	337
55°	68	68
65°	28	27
75°	8	10
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5281.0
2.5°	5248.7
5°	5180.2
7.5°	5051.3
10°	4878.1
12.5°	4664.6
15°	4451.1
17.5°	4213.5
20°	3951.6
22.5°	3677.7
25°	3371.6
27.5°	3033.2
30°	2606.2
32.5°	2134.9
35°	1671.7
37.5°	1248.7
40°	898.3
42.5°	612.3
45°	398.8
47.5°	245.7
50°	149.0
52.5°	92.6
55°	68.5
57.5°	52.4
60°	40.3
62.5°	32.2
65°	28.2
67.5°	20.1
70°	16.1
72.5°	12.1
75°	8.1
77.5°	8.1
80°	4.0
82.5°	4.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)