

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: P205357

Luminaire Tested: **LD6B70D010TE EU6B60708035 6LBNLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205357  
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 EU6B60708035 6LBNL1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5780.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

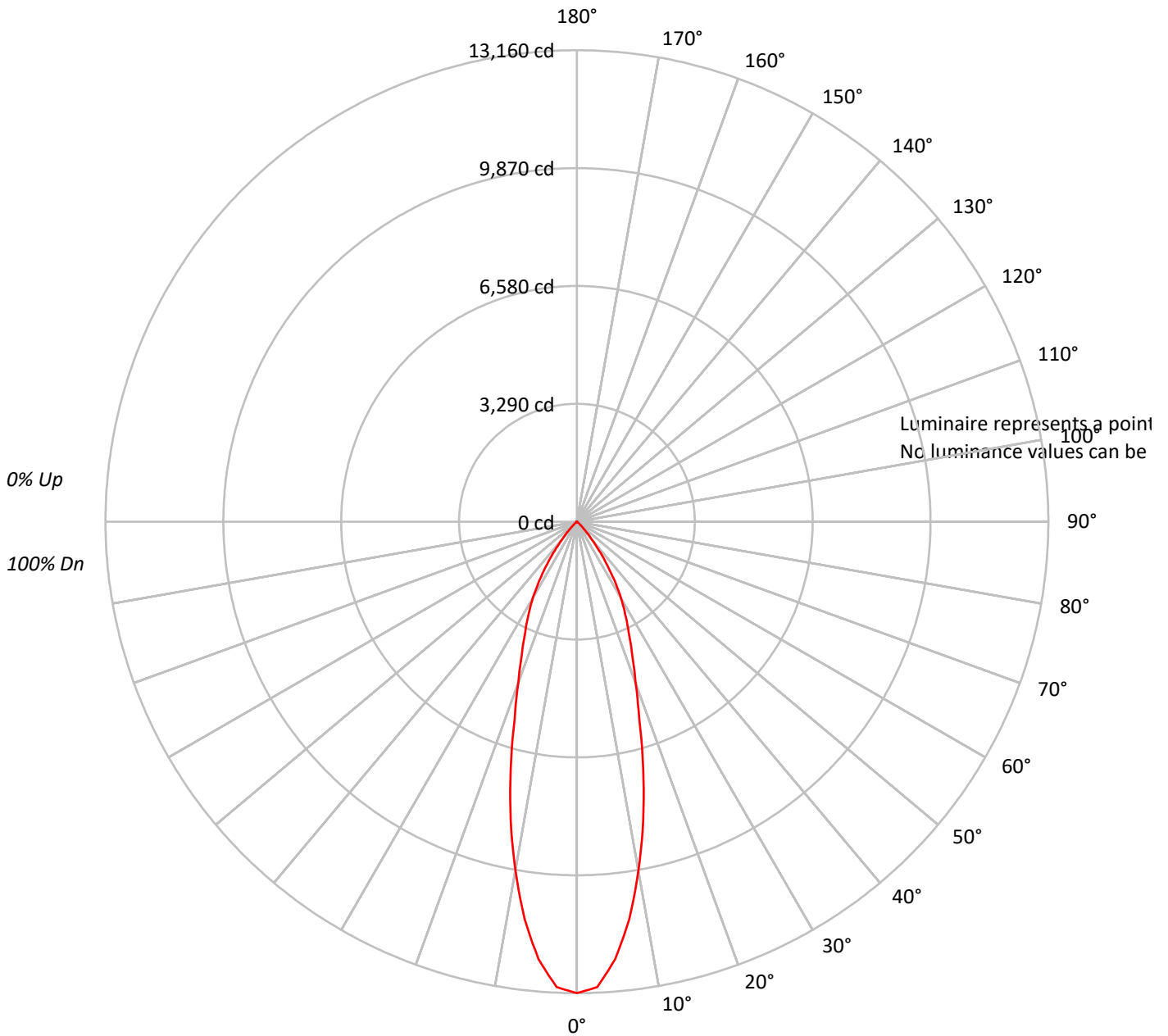
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89		
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85		
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80		
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76		
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72		
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68		
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65		
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1094.1	18.9
10°-20°	1963.9	34.0
20°-30°	1587.8	27.5
30°-40°	914.7	15.8
40°-50°	193.4	3.3
50°-60°	16.7	0.3
60°-70°	8.2	0.1
70°-80°	1.1	0.0
80°-90°	0.0	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°	4645.9	80.4
0°-40°	5560.6	96.2
0°-60°	5770.6	99.8
0°-90°	5780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5780.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13160	
5°	12260	###
15°	7134	1964
25°	3425	1588
35°	1450	915
45°	208	193
55°	17	17
65°	8	8
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13159.9
2.5°	13001.5
5°	12259.8
7.5°	11193.0
10°	9884.5
12.5°	8542.7
15°	7134.2
17.5°	5775.7
20°	4783.9
22.5°	4025.5
25°	3425.4
27.5°	2917.0
30°	2458.6
32.5°	1950.2
35°	1450.2
37.5°	1008.5
40°	658.4
42.5°	400.0
45°	208.4
47.5°	83.3
50°	25.0
52.5°	25.0
55°	16.7
57.5°	16.7
60°	8.3
62.5°	8.3
65°	8.3
67.5°	8.3
70°	8.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)