

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: P202790

Luminaire Tested: **LD6B70D010TE EU6B60709024 6LBWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202790  
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 EU6B60709024 6LBWH1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4530.0 lumens  
Efficiency: N/A  
Efficacy: 57.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

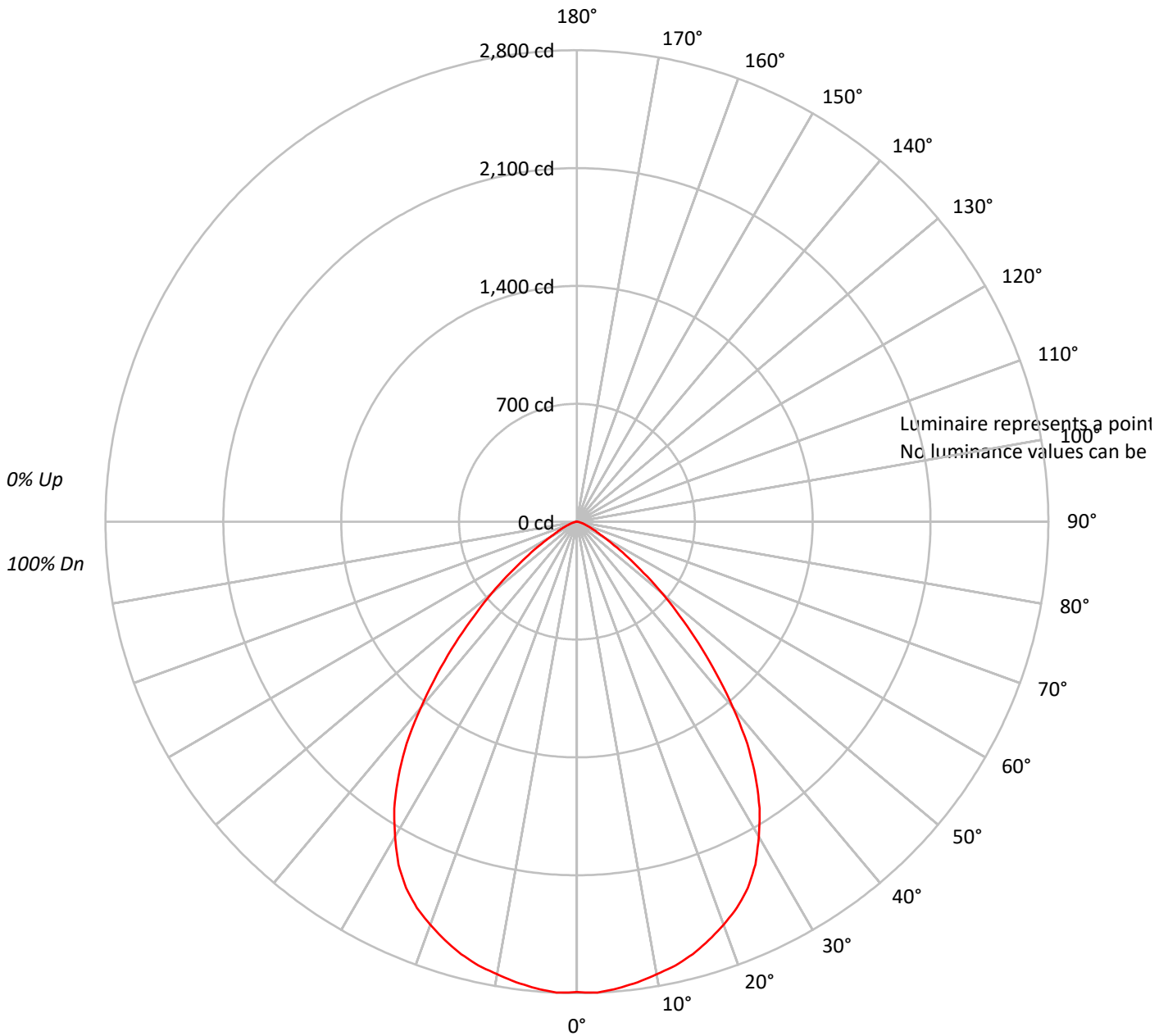
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41		
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.9	5.8
10°-20°	748.8	16.5
20°-30°	1097.9	24.2
30°-40°	1142.7	25.2
40°-50°	790.6	17.5
50°-60°	344.1	7.6
60°-70°	105.5	2.3
70°-80°	31.6	0.7
80°-90°	4.8	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°	2110.6	46.6
0°-40°	3253.3	71.8
0°-60°	4388.0	96.9
0°-90°	4530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4530.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2794	
5°	2782	264
15°	2659	749
25°	2401	1098
35°	1849	1143
45°	1021	791
55°	370	344
65°	100	106
75°	29	32
85°	6	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2794.1
2.5°	2800.0
5°	2782.3
7.5°	2758.9
10°	2729.5
12.5°	2700.2
15°	2659.1
17.5°	2606.2
20°	2547.5
22.5°	2483.0
25°	2400.8
27.5°	2295.1
30°	2160.1
32.5°	2019.3
35°	1849.0
37.5°	1661.2
40°	1444.0
42.5°	1226.8
45°	1021.4
47.5°	827.7
50°	657.4
52.5°	498.9
55°	369.8
57.5°	264.1
60°	182.0
62.5°	135.0
65°	99.8
67.5°	76.3
70°	52.8
72.5°	41.1
75°	29.3
77.5°	17.6
80°	11.7
82.5°	5.9
85°	5.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)