

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: P204859

Luminaire Tested: **LD6B70D010TE EU6B60709730 6LBCSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204859  
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 EU6B60709730 6LBCSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5811.4 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

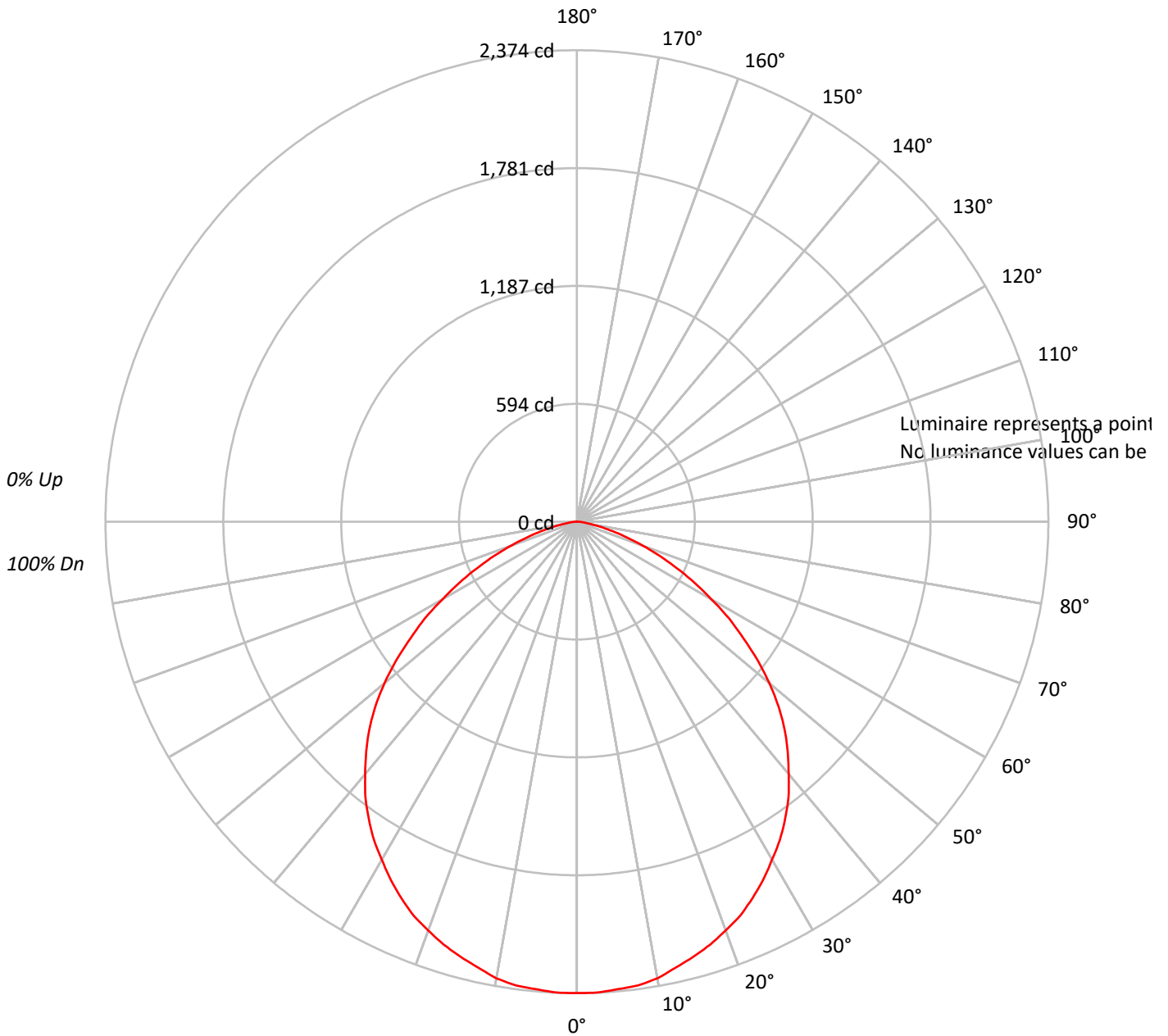
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				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				100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.9	3.9
10°-20°	640.2	11.0
20°-30°	963.1	16.6
30°-40°	1141.4	19.6
40°-50°	1135.9	19.5
50°-60°	915.7	15.8
60°-70°	554.0	9.5
70°-80°	205.6	3.5
80°-90°	30.7	0.5
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°	1828.2	31.5
0°-40°	2969.6	51.1
0°-60°	5021.2	86.4
0°-90°	5811.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5811.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2374	
5°	2363	225
15°	2268	640
25°	2092	963
35°	1828	1141
45°	1479	1136
55°	1021	916
65°	556	554
75°	187	206
85°	25	31
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2373.6
2.5°	2373.6
5°	2363.0
7.5°	2356.0
10°	2334.8
12.5°	2299.6
15°	2267.9
17.5°	2232.7
20°	2190.4
22.5°	2148.2
25°	2091.8
27.5°	2032.0
30°	1965.1
32.5°	1901.7
35°	1827.7
37.5°	1750.2
40°	1658.7
42.5°	1570.6
45°	1479.1
47.5°	1376.9
50°	1264.3
52.5°	1148.0
55°	1021.3
57.5°	908.6
60°	781.8
62.5°	669.1
65°	556.4
67.5°	450.8
70°	352.2
72.5°	264.1
75°	186.6
77.5°	119.7
80°	70.4
82.5°	42.3
85°	24.7
87.5°	10.6
90°	0.0



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— 0°-180°







(END OF REPORT)