

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: P204850

Luminaire Tested: **LD6B70D010TE EU6B60708040 6LBCSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204850  
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 EU6B60708040 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: 8063.8 lumens  
Efficiency: N/A  
Efficacy: 101.5 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

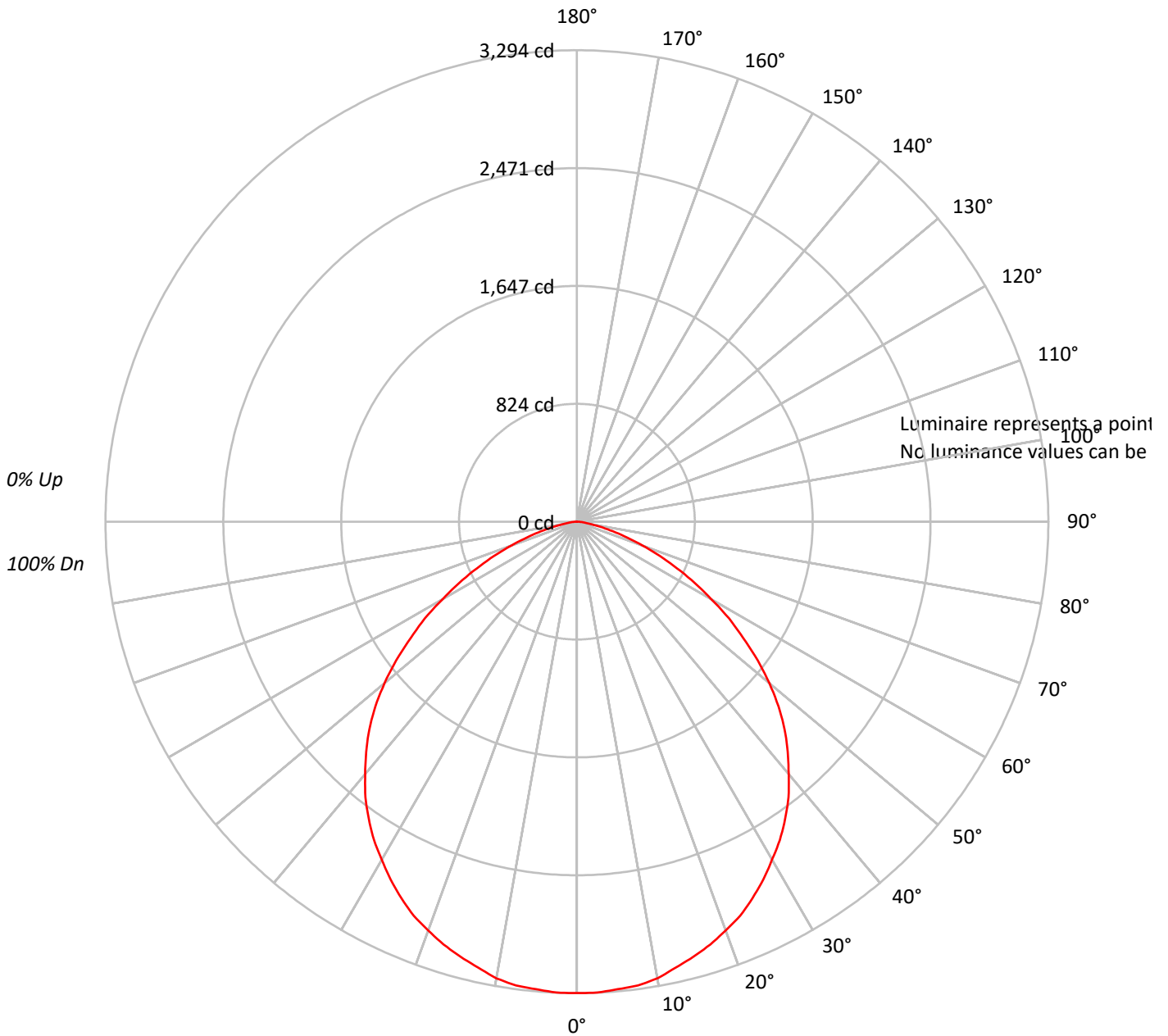
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.0	3.9
10°-20°	888.4	11.0
20°-30°	1336.4	16.6
30°-40°	1583.8	19.6
40°-50°	1576.1	19.5
50°-60°	1270.6	15.8
60°-70°	768.6	9.5
70°-80°	285.4	3.5
80°-90°	42.5	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°	2536.8	31.5
0°-40°	4120.6	51.1
0°-60°	6967.3	86.4
0°-90°	8063.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8063.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3294	
5°	3279	312
15°	3147	888
25°	2903	1336
35°	2536	1584
45°	2052	1576
55°	1417	1271
65°	772	769
75°	259	285
85°	34	43
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3293.5
2.5°	3293.5
5°	3278.9
7.5°	3269.1
10°	3239.8
12.5°	3190.9
15°	3146.9
17.5°	3098.1
20°	3039.4
22.5°	2980.8
25°	2902.6
27.5°	2819.5
30°	2726.7
32.5°	2638.7
35°	2536.1
37.5°	2428.6
40°	2301.6
42.5°	2179.4
45°	2052.3
47.5°	1910.6
50°	1754.3
52.5°	1593.0
55°	1417.1
57.5°	1260.7
60°	1084.8
62.5°	928.4
65°	772.1
67.5°	625.5
70°	488.7
72.5°	366.5
75°	259.0
77.5°	166.1
80°	97.7
82.5°	58.6
85°	34.2
87.5°	14.7
90°	0.0



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— 0°-180°







(END OF REPORT)