

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: P204951

Luminaire Tested: **LD6B70D010TE EU6B60708030 6LBCSMB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204951  
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 EU6B60708030 6LBCSMB1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6577.7 lumens  
Efficiency: N/A  
Efficacy: 82.8 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

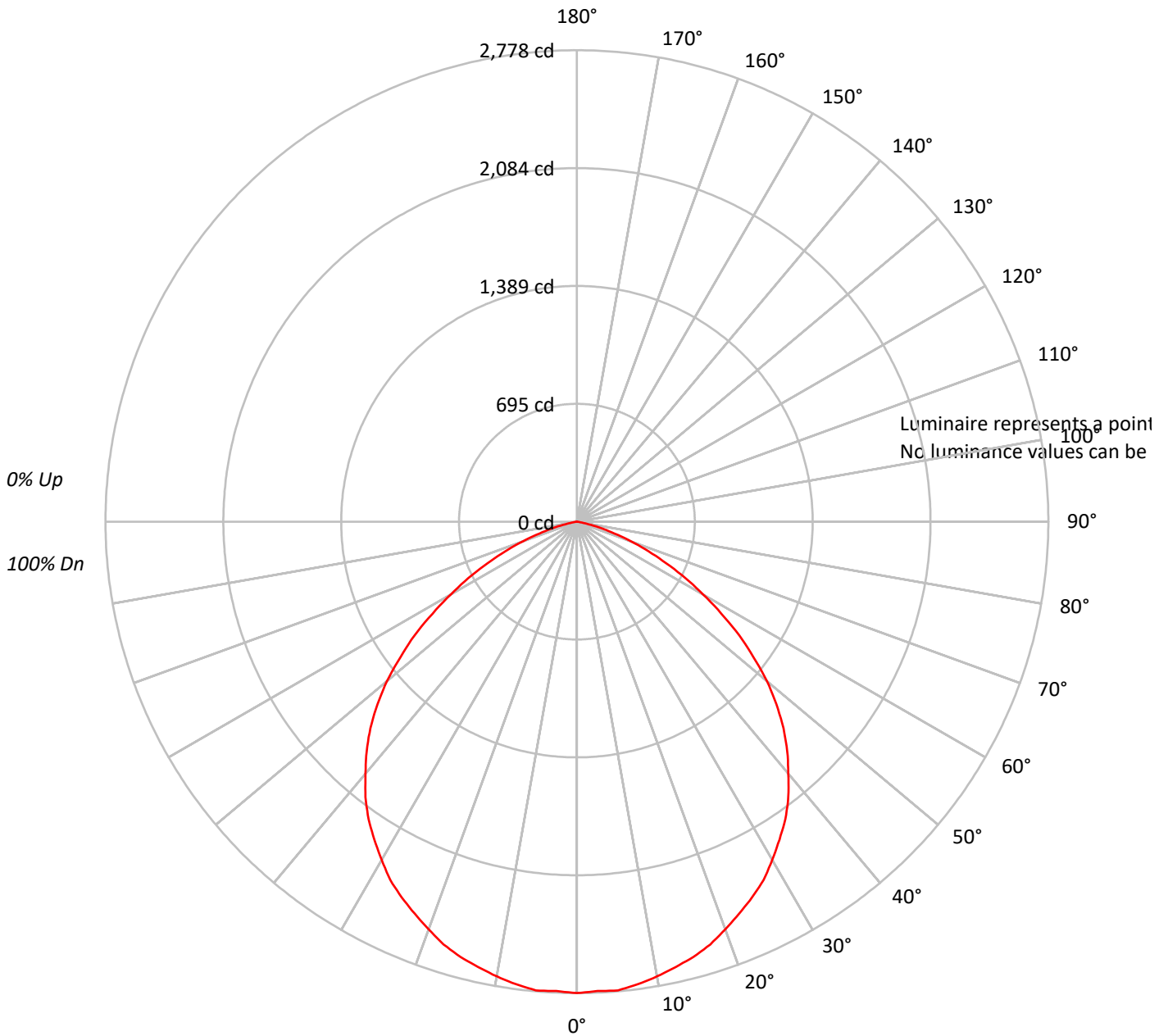
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204951

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBCSMB1

### Luminous Intensity Polar Plot





TEST NUMBER: P204951

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBCSMB1

**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			100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88			88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75			75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65			65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56			56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49			49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39			39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35			35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31			31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28			28

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





TEST NUMBER: P204951

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBCSMB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.7	4.0
10°-20°	748.4	11.4
20°-30°	1125.1	17.1
30°-40°	1335.0	20.3
40°-50°	1321.1	20.1
50°-60°	1037.7	15.8
60°-70°	581.8	8.8
70°-80°	163.4	2.5
80°-90°	2.6	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°	2136.3	32.5
0°-40°	3471.3	52.8
0°-60°	5830.0	88.6
0°-90°	6577.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6577.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2778	
5°	2773	263
15°	2655	748
25°	2443	1125
35°	2141	1335
45°	1721	1321
55°	1170	1038
65°	580	582
75°	142	163
85°	0	3
90°	0	



TEST NUMBER: P204951

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBCSMB1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2777.5
2.5°	2768.1
5°	2772.8
7.5°	2749.2
10°	2720.9
12.5°	2687.9
15°	2654.9
17.5°	2612.5
20°	2555.9
22.5°	2499.3
25°	2442.7
27.5°	2381.4
30°	2301.2
32.5°	2221.1
35°	2140.9
37.5°	2046.6
40°	1938.1
42.5°	1834.4
45°	1721.2
47.5°	1593.9
50°	1461.8
52.5°	1310.9
55°	1169.5
57.5°	1009.1
60°	858.2
62.5°	721.5
65°	580.0
67.5°	457.4
70°	339.5
72.5°	231.1
75°	141.5
77.5°	70.7
80°	18.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)