

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: P204745

Luminaire Tested: **LD6B70D010TE EU6B60708030 6LBPSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204745  
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 6LBPSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH PLASTIC MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7697.9 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

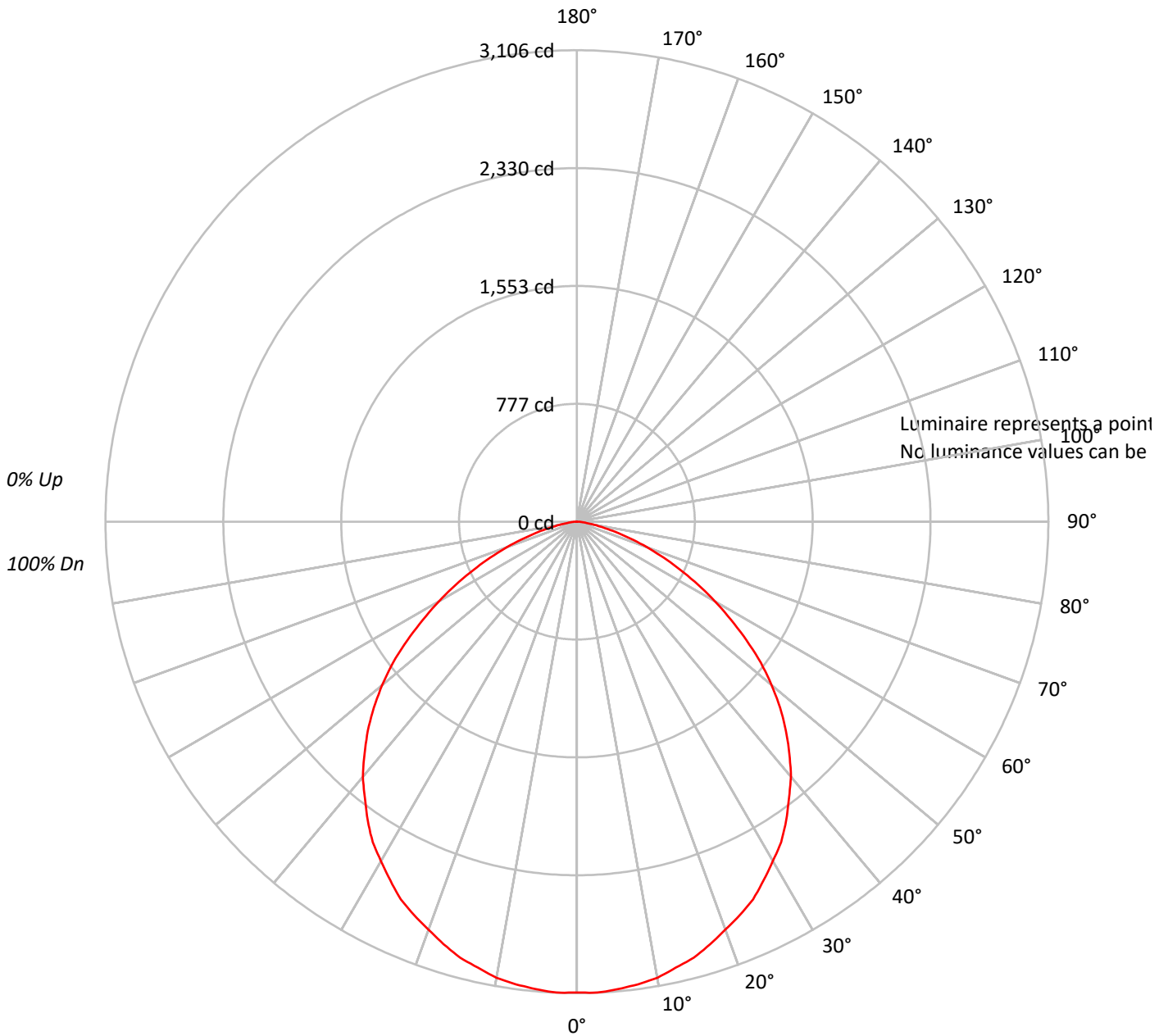
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204745

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBPSMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204745

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBPSMW1

**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	107	104	100	97	99	97	94	96	93	91	92	90	88	86			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63			
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47			
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			

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





TEST NUMBER: P204745

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBPSMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.9	3.8
10°-20°	837.7	10.9
20°-30°	1261.6	16.4
30°-40°	1501.2	19.5
40°-50°	1498.4	19.5
50°-60°	1218.6	15.8
60°-70°	749.7	9.7
70°-80°	290.4	3.8
80°-90°	46.5	0.6
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°	2393.2	31.1
0°-40°	3894.3	50.6
0°-60°	6611.3	85.9
0°-90°	7697.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7697.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3102	
5°	3092	294
15°	2974	838
25°	2746	1262
35°	2404	1501
45°	1948	1498
55°	1364	1219
65°	753	750
75°	264	290
85°	36	47
90°	0	



TEST NUMBER: P204745

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBPSMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3101.5
2.5°	3106.1
5°	3092.4
7.5°	3074.2
10°	3051.4
12.5°	3010.3
15°	2973.8
17.5°	2919.1
20°	2859.8
22.5°	2805.1
25°	2745.8
27.5°	2663.7
30°	2581.6
32.5°	2504.0
35°	2403.7
37.5°	2294.2
40°	2193.9
42.5°	2070.7
45°	1947.6
47.5°	1815.3
50°	1673.9
52.5°	1528.0
55°	1363.8
57.5°	1204.1
60°	1049.1
62.5°	898.5
65°	752.6
67.5°	615.7
70°	488.0
72.5°	369.4
75°	264.5
77.5°	173.3
80°	104.9
82.5°	63.9
85°	36.5
87.5°	18.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)