

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: P204960

Luminaire Tested: **LD6B70D010TE EU6B60709050 6LBCSMB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204960  
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 EU6B60709050 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: 5732.5 lumens  
Efficiency: N/A  
Efficacy: 72.2 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

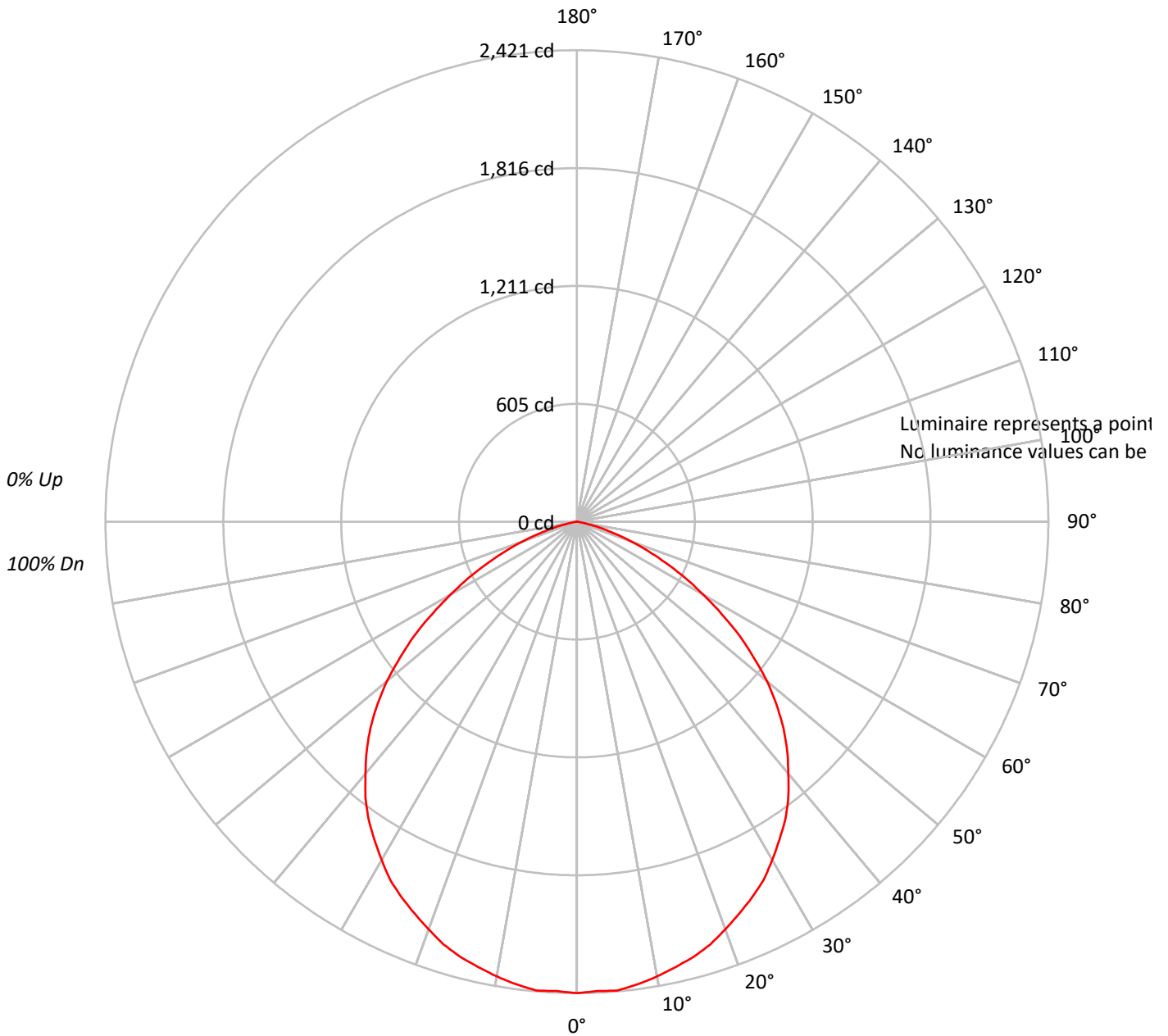
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204960

CATALOG NUMBER: LD6B70D010TE EU6B60709050 6LBCSMB1

### Luminous Intensity Polar Plot





TEST NUMBER: P204960

CATALOG NUMBER: LD6B70D010TE EU6B60709050 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	100	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88	88	88	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75	75	75	75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65	65	65	65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56	56	56	56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49	49	49	49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43	43	43	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39	39	39	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35	35	35	35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31	31	31	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28	28	28	28

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





TEST NUMBER: P204960

CATALOG NUMBER: LD6B70D010TE EU6B60709050 6LBCSMB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.0	4.0
10°-20°	652.3	11.4
20°-30°	980.5	17.1
30°-40°	1163.4	20.3
40°-50°	1151.3	20.1
50°-60°	904.4	15.8
60°-70°	507.0	8.8
70°-80°	142.4	2.5
80°-90°	2.2	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°	1861.7	32.5
0°-40°	3025.2	52.8
0°-60°	5080.9	88.6
0°-90°	5732.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5732.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2421	
5°	2416	229
15°	2314	652
25°	2129	981
35°	1866	1163
45°	1500	1151
55°	1019	904
65°	506	507
75°	123	142
85°	0	2
90°	0	



TEST NUMBER: P204960

CATALOG NUMBER: LD6B70D010TE EU6B60709050 6LBCSMB1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2420.6
2.5°	2412.4
5°	2416.5
7.5°	2395.9
10°	2371.3
12.5°	2342.5
15°	2313.7
17.5°	2276.8
20°	2227.4
22.5°	2178.1
25°	2128.8
27.5°	2075.4
30°	2005.5
32.5°	1935.7
35°	1865.8
37.5°	1783.6
40°	1689.1
42.5°	1598.7
45°	1500.0
47.5°	1389.1
50°	1274.0
52.5°	1142.5
55°	1019.2
57.5°	879.5
60°	748.0
62.5°	628.8
65°	505.5
67.5°	398.6
70°	295.9
72.5°	201.4
75°	123.3
77.5°	61.6
80°	16.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)