

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: P205069

Luminaire Tested: **LD6B10D010 EU6B10208050 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205069
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: LD6B10D010 EU6B10208050 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 985.4 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

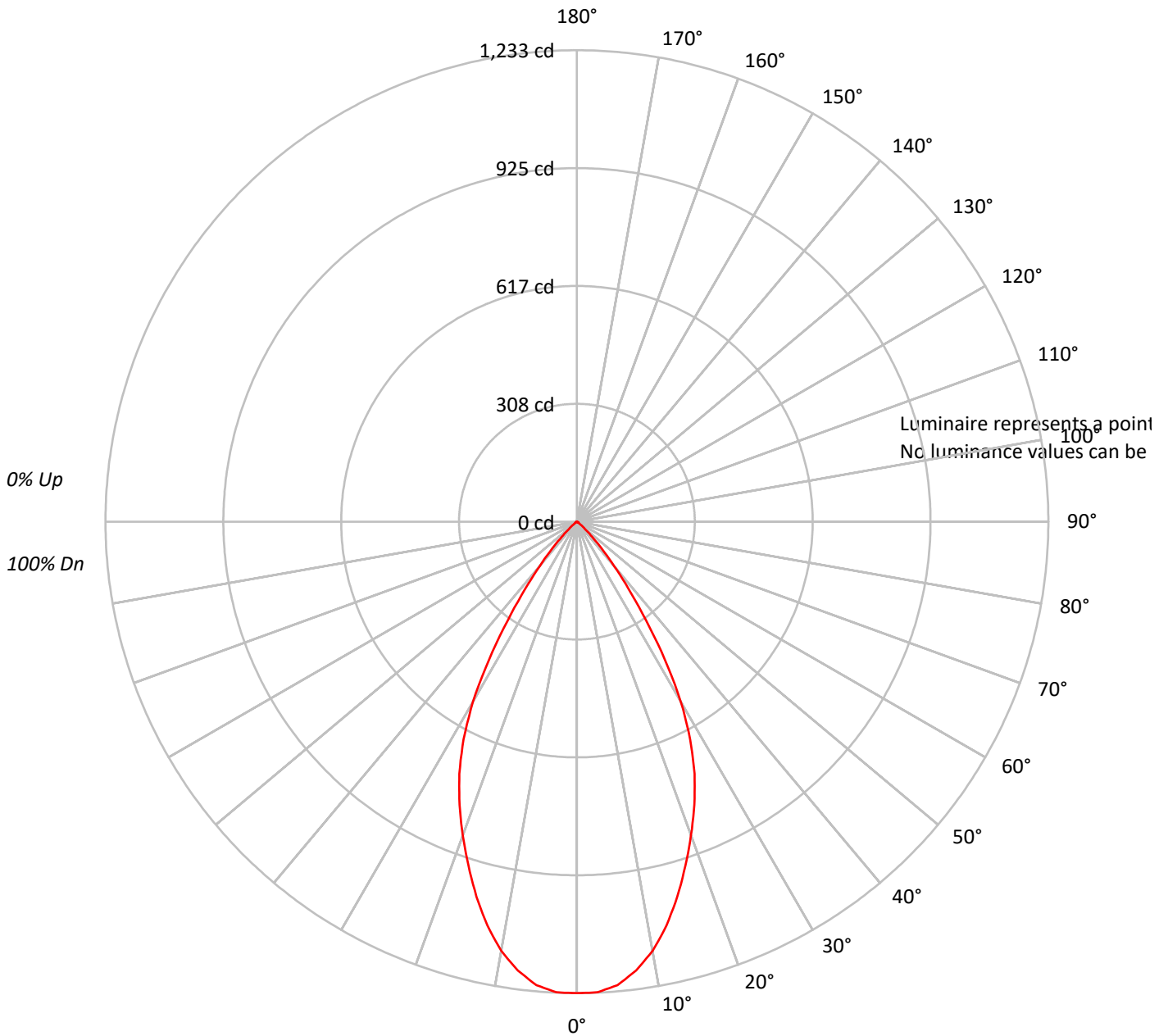
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205069

CATALOG NUMBER: LD6B10D010 EU6B10208050 6LBMLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205069

CATALOG NUMBER: LD6B10D010 EU6B10208050 6LBMLI1

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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205069

CATALOG NUMBER: LD6B10D010 EU6B10208050 6LBMLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	11.5
10°-20°	282.8	28.7
20°-30°	328.8	33.4
30°-40°	201.3	20.4
40°-50°	50.0	5.1
50°-60°	5.9	0.6
60°-70°	2.2	0.2
70°-80°	0.9	0.1
80°-90°	0.0	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°	725.2	73.6
0°-40°	926.5	94.0
0°-60°	982.3	99.7
0°-90°	985.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1233	
5°	1217	114
15°	1015	283
25°	728	329
35°	315	201
45°	56	50
55°	5	6
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P205069

CATALOG NUMBER: LD6B10D010 EU6B10208050 6LBMLI1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1233.1
2.5°	1231.8
5°	1216.7
7.5°	1183.9
10°	1139.8
12.5°	1081.8
15°	1015.0
17.5°	943.1
20°	872.5
22.5°	801.9
25°	727.5
27.5°	641.8
30°	543.4
32.5°	428.7
35°	315.2
37.5°	221.9
40°	151.3
42.5°	94.6
45°	55.5
47.5°	31.5
50°	16.4
52.5°	7.6
55°	5.0
57.5°	3.8
60°	3.8
62.5°	2.5
65°	2.5
67.5°	1.3
70°	1.3
72.5°	1.3
75°	1.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)