

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: P204771

Luminaire Tested: **LD6B15D010 EU6B10208030 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204771
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: LD6B15D010 EU6B10208030 6LBSCMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1610.2 lumens
Efficiency: N/A
Efficacy: 112.6 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

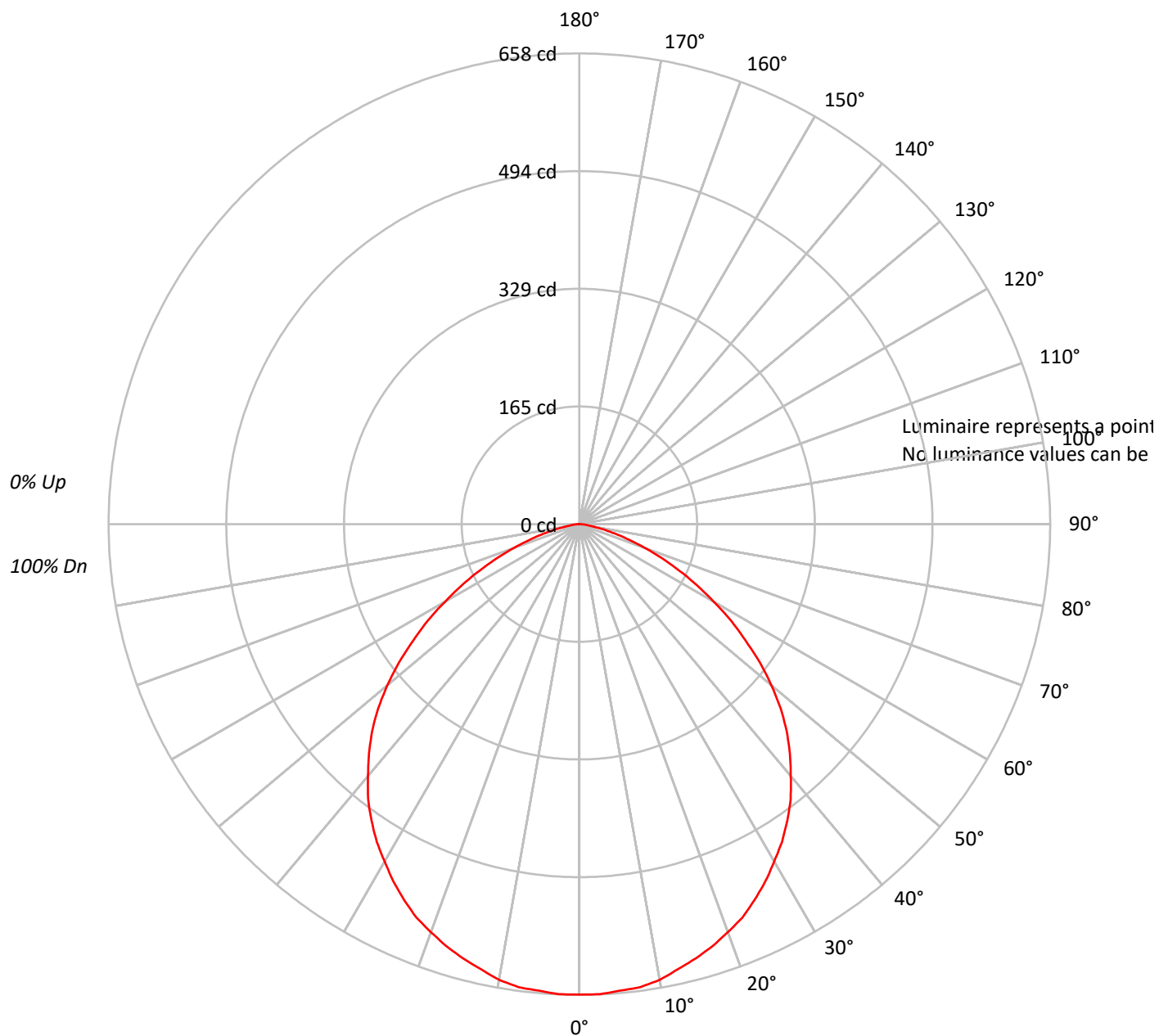
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204771

CATALOG NUMBER: LD6B15D010 EU6B10208030 6LBCSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204771

CATALOG NUMBER: LD6B15D010 EU6B10208030 6LBCSMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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):





TEST NUMBER: P204771

CATALOG NUMBER: LD6B15D010 EU6B10208030 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	3.9
10°-20°	177.4	11.0
20°-30°	266.9	16.6
30°-40°	316.3	19.6
40°-50°	314.7	19.5
50°-60°	253.7	15.8
60°-70°	153.5	9.5
70°-80°	57.0	3.5
80°-90°	8.5	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°	506.6	31.5
0°-40°	822.8	51.1
0°-60°	1391.2	86.4
0°-90°	1610.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1610.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	658	
5°	655	62
15°	628	177
25°	580	267
35°	506	316
45°	410	315
55°	283	254
65°	154	153
75°	52	57
85°	7	8
90°	0	



TEST NUMBER: P204771

CATALOG NUMBER: LD6B15D010 EU6B10208030 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	657.7
2.5°	657.7
5°	654.7
7.5°	652.8
10°	646.9
12.5°	637.2
15°	628.4
17.5°	618.6
20°	606.9
22.5°	595.2
25°	579.6
27.5°	563.0
30°	544.5
32.5°	526.9
35°	506.4
37.5°	485.0
40°	459.6
42.5°	435.2
45°	409.8
47.5°	381.5
50°	350.3
52.5°	318.1
55°	283.0
57.5°	251.7
60°	216.6
62.5°	185.4
65°	154.2
67.5°	124.9
70°	97.6
72.5°	73.2
75°	51.7
77.5°	33.2
80°	19.5
82.5°	11.7
85°	6.8
87.5°	2.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)