

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: P205167

Luminaire Tested: **LD6B10D010 EU6B10208030 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205167
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 EU6B10208030 6LBWLI1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 1074.2 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

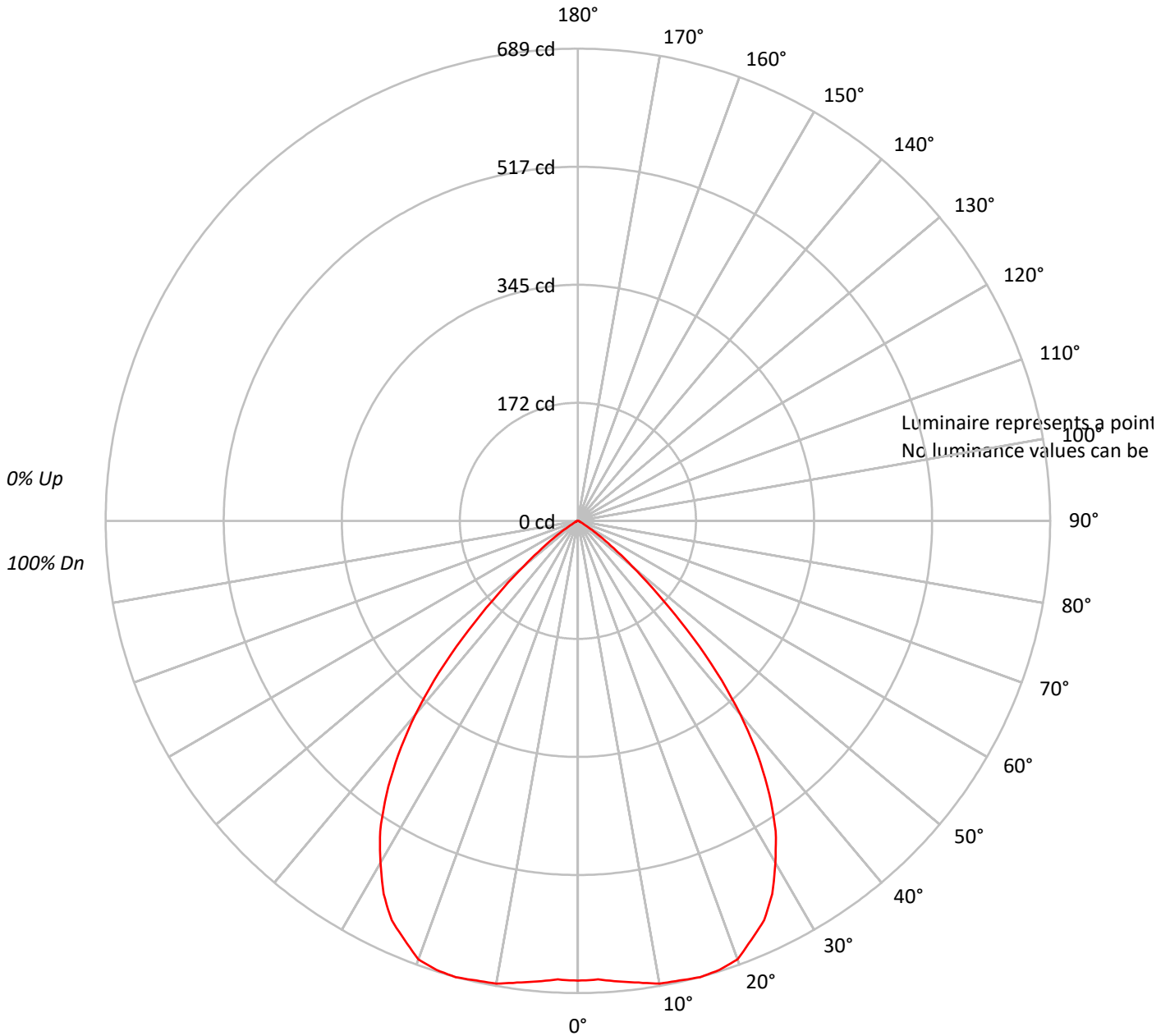
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92															
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83															
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76															
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69															
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63															
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57															
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52															
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48															
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44															
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41															

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	6.0
10°-20°	194.6	18.1
20°-30°	293.3	27.3
30°-40°	300.2	27.9
40°-50°	174.9	16.3
50°-60°	40.2	3.7
60°-70°	5.0	0.5
70°-80°	1.3	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°	552.6	51.4
0°-40°	852.8	79.4
0°-60°	1067.9	99.4
0°-90°	1074.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1074.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	671	
5°	675	65
15°	689	195
25°	643	293
35°	487	300
45°	225	175
55°	39	40
65°	4	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	671.0
2.5°	669.8
5°	674.7
7.5°	679.6
10°	685.7
12.5°	686.9
15°	689.3
17.5°	686.9
20°	680.8
22.5°	661.3
25°	643.0
27.5°	613.8
30°	576.1
32.5°	537.1
35°	487.1
37.5°	431.1
40°	369.0
42.5°	299.6
45°	225.3
47.5°	157.1
50°	103.5
52.5°	65.8
55°	39.0
57.5°	20.7
60°	11.0
62.5°	6.1
65°	3.7
67.5°	3.7
70°	2.4
72.5°	1.2
75°	1.2
77.5°	1.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)