

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: P#

Luminaire Tested: **LD2B10D010 EU2B10WFL559730 2LBDSQC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14813)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B10WFL559730 2LBDSQC\*MB  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
WIDE FLOOD OPTIC  
SQUARE CAST TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 619.1 lumens  
Efficiency: N/A  
Efficacy: 60.1 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.77 / 0.83  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

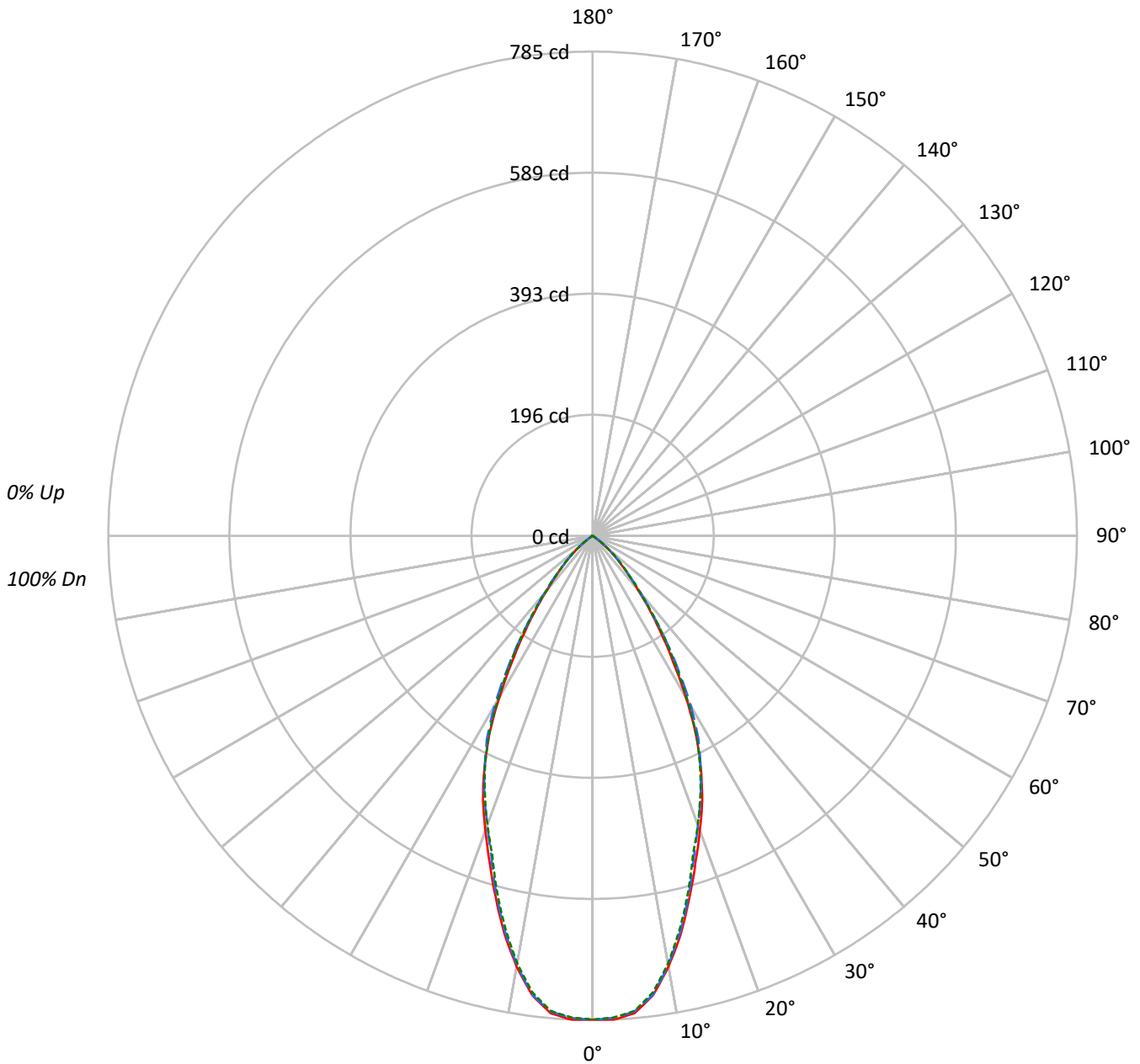
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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																			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94																			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	89	86	84	87	85	82	81																			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75																			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70																			
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65																			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61																			
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57																			
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54																			
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51																			

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

	0°	45°	90°
0°	303834	303834	303834
5°	302195	301145	300795
10°	278904	277842	276780
15°	243373	241568	239764
20°	209524	205443	205443
25°	177409	177025	176255
30°	135120	142321	137535
35°	91972	97504	96653
40°	57997	61183	60728
45°	35825	36318	36811
50°	18379	20549	20006
55°	2431	7293	3039
60°	697	697	697
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.7	11.6
10°-20°	167.7	27.1
20°-30°	188.2	30.4
30°-40°	127.8	20.6
40°-50°	53.4	8.6
50°-60°	10.0	1.6
60°-70°	0.2	0.0
70°-80°	0.0	0.0
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°	427.7	69.1
0°-40°	555.5	89.7
0°-60°	618.9	100.0
0°-90°	619.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	619.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	777	776	774	773	774	72
15°	607	605	602	597	598	169
25°	415	419	414	413	412	188
35°	194	201	206	202	204	123
45°	65	64	66	67	67	52
55°	4	8	11	8	4	7
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	784.4	784.4	784.4	784.4	784.4
2.5°	785.3	783.5	782.6	781.7	781.7
5°	777.2	776.3	774.5	772.7	773.6
7.5°	751.2	750.3	750.3	746.7	746.7
10°	709.1	709.1	706.4	706.4	703.7
12.5°	660.7	657.1	657.1	654.4	652.6
15°	606.9	605.1	602.4	597.0	597.9
17.5°	554.9	551.3	545.9	543.2	541.5
20°	508.3	507.4	498.4	496.6	498.4
22.5°	464.4	465.3	458.1	456.3	456.3
25°	415.1	418.6	414.2	413.3	412.4
27.5°	362.2	368.4	371.1	364.9	364.0
30°	302.1	312.9	318.2	312.0	307.5
32.5°	243.8	254.6	260.0	255.5	252.8
35°	194.5	200.8	206.2	201.7	204.4
37.5°	152.4	156.0	157.8	157.8	157.8
40°	114.7	118.3	121.0	121.9	120.1
42.5°	87.0	88.7	90.5	91.4	90.5
45°	65.4	64.5	66.3	67.2	67.2
47.5°	47.5	47.5	48.4	49.3	49.3
50°	30.5	32.3	34.1	33.2	33.2
52.5°	13.4	18.8	22.4	18.8	15.2
55°	3.6	8.1	10.8	8.1	4.5
57.5°	0.9	2.7	3.6	2.7	1.8
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.0	0.0	0.0	0.9
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)