

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: **LD2B15D010 EU2B15WFL558030 2LBD*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15WFL558030 2LBD*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

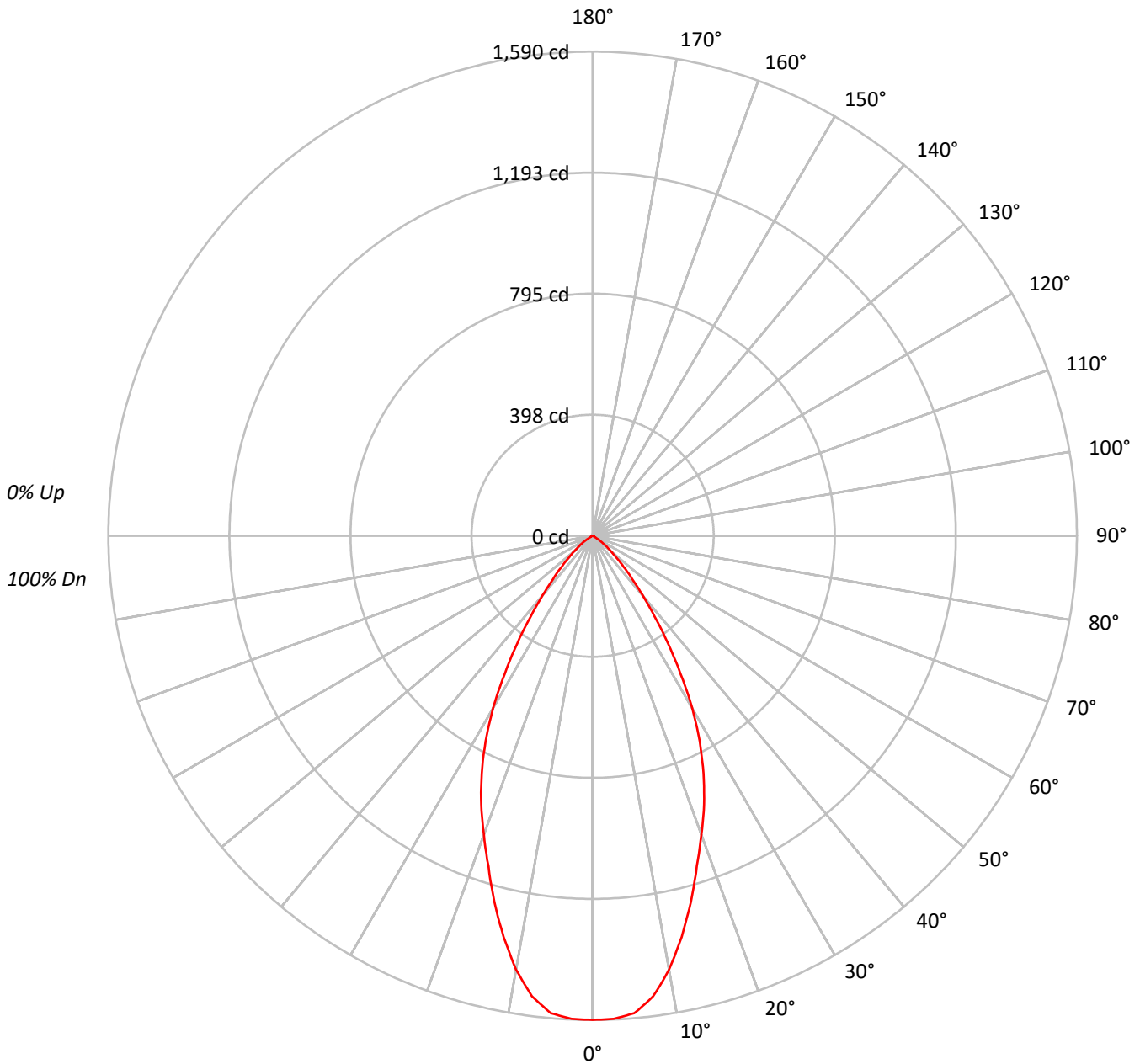
Lumens per Lamp: N/A
Luminaire Lumens: 1312.8 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): 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				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93		
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80		
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69		
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64		
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60		
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56		
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53		
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	615803
5°	611895
10°	568861
15°	499378
20°	430466
25°	368110
30°	292156
35°	203662
40°	128838
45°	78663
50°	46521
55°	25459
60°	5578
65°	4949
70°	4077
75°	5388
80°	4015
85°	8000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	11.1
10°-20°	346.8	26.4
20°-30°	391.3	29.8
30°-40°	270.7	20.6
40°-50°	115.4	8.8
50°-60°	33.4	2.5
60°-70°	4.9	0.4
70°-80°	3.1	0.2
80°-90°	1.2	0.1
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°	884.2	67.3
0°-40°	1154.9	88.0
0°-60°	1303.6	99.3
0°-90°	1312.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1590	
5°	1574	146
15°	1245	347
25°	861	391
35°	431	271
45°	144	115
55°	38	33
65°	5	5
75°	4	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1589.8
2.5°	1588.0
5°	1573.7
7.5°	1525.2
10°	1446.3
12.5°	1349.4
15°	1245.3
17.5°	1137.7
20°	1044.3
22.5°	956.4
25°	861.3
27.5°	760.8
30°	653.2
32.5°	536.5
35°	430.7
37.5°	333.8
40°	254.8
42.5°	192.0
45°	143.6
47.5°	104.1
50°	77.2
52.5°	55.6
55°	37.7
57.5°	16.1
60°	7.2
62.5°	5.4
65°	5.4
67.5°	3.6
70°	3.6
72.5°	3.6
75°	3.6
77.5°	1.8
80°	1.8
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)