

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: P264310

Luminaire Tested: **LD2B15D010 EU2B1510SP159030 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B1510SP159030 2LBDC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1047.0 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

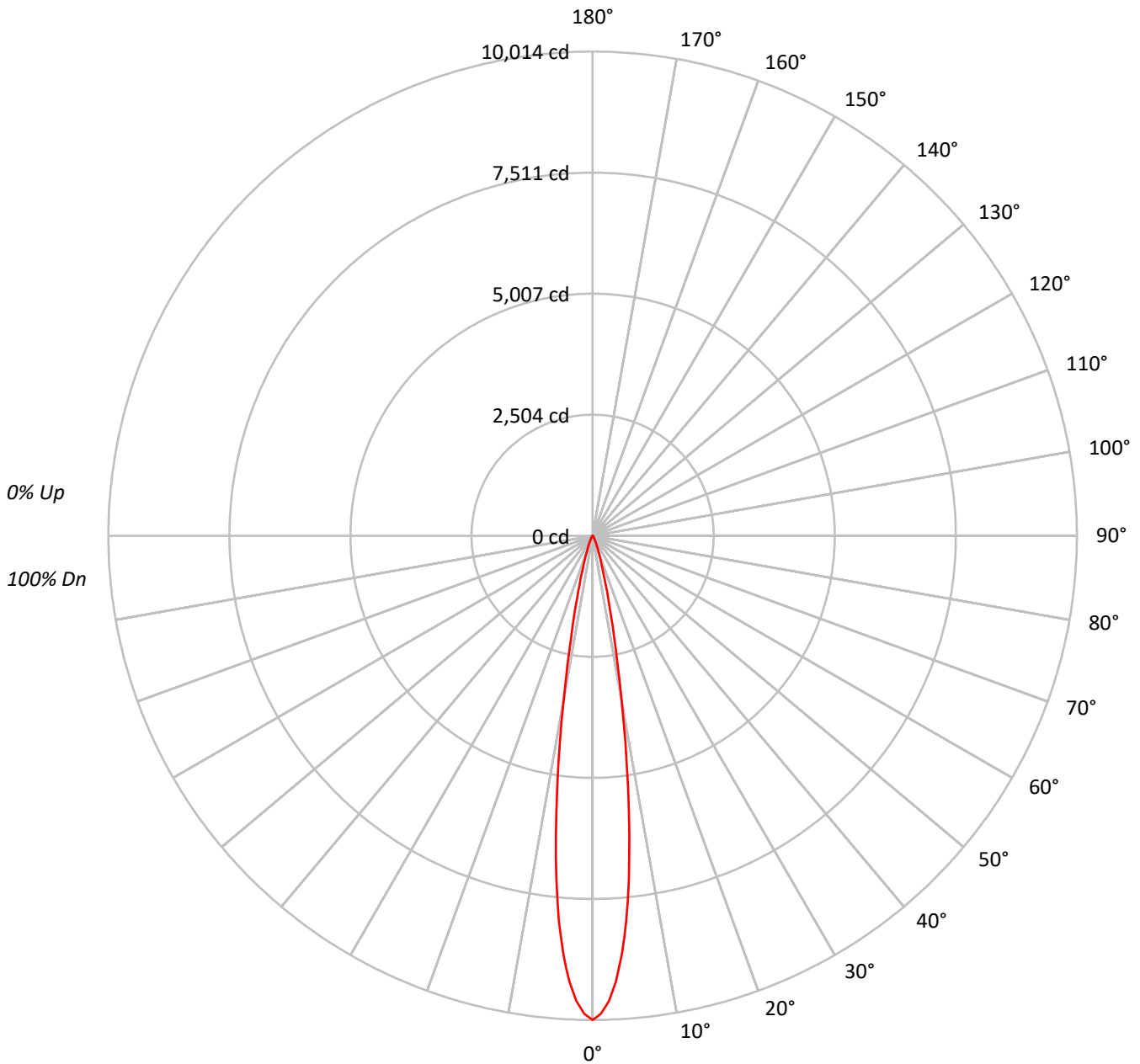
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264310

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P264310

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBDC*MW

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			100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98			98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96			96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94			94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92			92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90			90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89			89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87			87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86			86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85			85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83			83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4940377
5°	3959940
10°	1728356
15°	535589
20°	186699
25°	82471
30°	37314
35°	19394
40°	11077
45°	5233
50°	3300
55°	1806
60°	1085
65°	1284
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264310

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.2	58.0
10°-20°	332.5	31.8
20°-30°	75.8	7.2
30°-40°	21.8	2.1
40°-50°	6.7	0.6
50°-60°	2.0	0.2
60°-70°	1.0	0.1
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°	1015.5	97.0
0°-40°	1037.3	99.1
0°-60°	1046.0	99.9
0°-90°	1047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1047.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10014	
5°	7996	607
15°	1049	333
25°	152	76
35°	32	22
45°	8	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264310

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	10013.7
1°	9889.1
2°	9630.1
3°	9228.3
4°	8676.0
5°	7995.9
6°	7162.2
7°	6230.6
8°	5258.3
9°	4317.1
10°	3450.0
11°	2716.2
12°	2138.1
13°	1682.6
14°	1329.1
15°	1048.6
16°	827.3
17°	658.6
18°	529.7
19°	430.8
20°	355.6
22.5°	229.9
25°	151.5
26°	127.9
27°	108.5
28°	91.3
29°	76.3
30°	65.5
32.5°	45.1
35°	32.2
37.5°	23.6
40°	17.2
42.5°	11.8
45°	7.5
47.5°	5.4
50°	4.3
52.5°	3.2
55°	2.1
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
67.5°	1.1



TEST NUMBER: P264310

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBDC*MW

CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
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°







70°		0.0
72.5°		0.0



(END OF REPORT)