

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: P264314

Luminaire Tested: **LD2B15D010 EU2B1510SP159030 2LBSQC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264314
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 2LBSQC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1090.0 lumens
Efficiency: N/A
Efficacy: 76.2 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

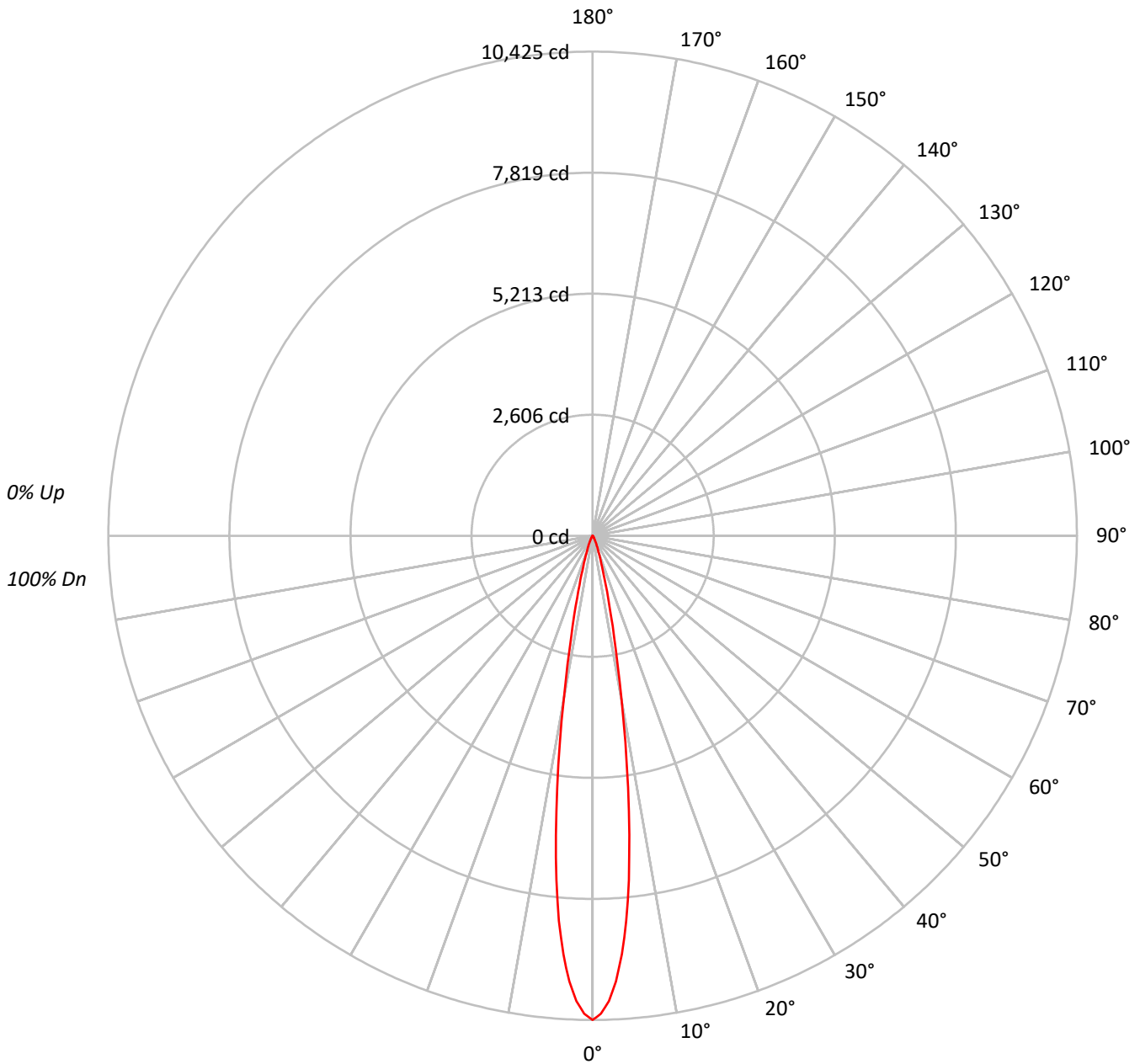
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264314

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBSQC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P264314

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBSQC*MMS

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	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°	5143297
5°	4122579
10°	1799344
15°	557603
20°	194364
25°	85846
30°	38853
35°	20237
40°	11528
45°	5442
50°	3454
55°	1892
60°	1085
65°	1284
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264314

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBSQC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.1	58.0
10°-20°	346.2	31.8
20°-30°	78.9	7.2
30°-40°	22.7	2.1
40°-50°	7.0	0.6
50°-60°	2.1	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°	1057.2	97.0
0°-40°	1079.9	99.1
0°-60°	1089.0	99.9
0°-90°	1090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10425	
5°	8324	632
15°	1092	346
25°	158	79
35°	34	23
45°	8	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264314

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBSQC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	10425.0
1°	10295.2
2°	10025.7
3°	9607.3
4°	9032.4
5°	8324.3
6°	7456.3
7°	6486.5
8°	5474.2
9°	4494.4
10°	3591.7
11°	2827.7
12°	2225.9
13°	1751.7
14°	1383.7
15°	1091.7
16°	861.3
17°	685.7
18°	551.4
19°	448.5
20°	370.2
22.5°	239.4
25°	157.7
26°	133.1
27°	113.0
28°	95.1
29°	79.4
30°	68.2
32.5°	47.0
35°	33.6
37.5°	24.6
40°	17.9
42.5°	12.3
45°	7.8
47.5°	5.6
50°	4.5
52.5°	3.4
55°	2.2
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
67.5°	1.1



TEST NUMBER: P264314

CATALOG NUMBER: LD2B15D010 EU2B1510SP159030 2LBSQC*MMS

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)