

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: P264513

Luminaire Tested: **LD2B15D010 EU2B1510SP159727 2LBD*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264513
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 EU2B1510SP159727 2LBD*GPH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 861.0 lumens
Efficiency: N/A
Efficacy: 60.2 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

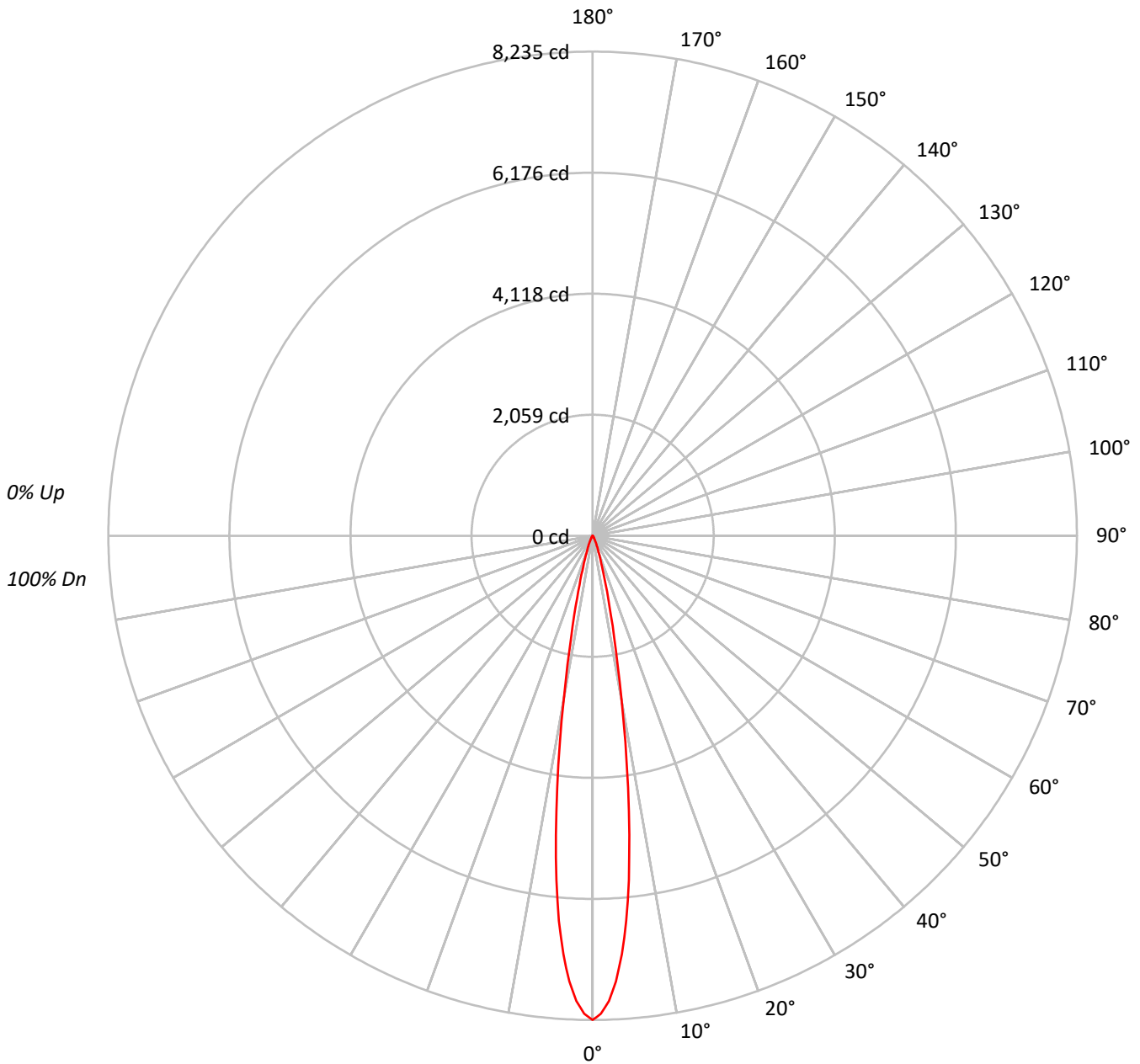
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264513

CATALOG NUMBER: LD2B15D010 EU2B1510SP159727 2LBD*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P264513

CATALOG NUMBER: LD2B15D010 EU2B1510SP159727 2LBD*GPH

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°	4062736
5°	3256443
10°	1421310
15°	440484
20°	153570
25°	67828
30°	30706
35°	15961
40°	9081
45°	4326
50°	2686
55°	1548
60°	888
65°	1051
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264513

CATALOG NUMBER: LD2B15D010 EU2B1510SP159727 2LBD*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.3	58.0
10°-20°	273.5	31.8
20°-30°	62.3	7.2
30°-40°	17.9	2.1
40°-50°	5.5	0.6
50°-60°	1.7	0.2
60°-70°	0.8	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°	835.1	97.0
0°-40°	853.0	99.1
0°-60°	860.2	99.9
0°-90°	861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	861.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8235	
5°	6575	499
15°	862	273
25°	125	62
35°	26	18
45°	6	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264513

CATALOG NUMBER: LD2B15D010 EU2B1510SP159727 2LBD*GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	8234.8
1°	8132.3
2°	7919.3
3°	7588.9
4°	7134.7
5°	6575.4
6°	5889.8
7°	5123.8
8°	4324.1
9°	3550.1
10°	2837.1
11°	2233.6
12°	1758.3
13°	1383.7
14°	1093.0
15°	862.4
16°	680.3
17°	541.6
18°	435.6
19°	354.3
20°	292.5
22.5°	189.1
25°	124.6
26°	105.1
27°	89.2
28°	75.1
29°	62.7
30°	53.9
32.5°	37.1
35°	26.5
37.5°	19.4
40°	14.1
42.5°	9.7
45°	6.2
47.5°	4.4
50°	3.5
52.5°	2.7
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9



TEST NUMBER: P264513

CATALOG NUMBER: LD2B15D010 EU2B1510SP159727 2LBD*GPH

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)