

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: P264098

Luminaire Tested: **LD2B15D010 EU2B1510SP158040 2LBD*WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264098
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 EU2B1510SP158040 2LBD*WH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1365.0 lumens
Efficiency: N/A
Efficacy: 95.5 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

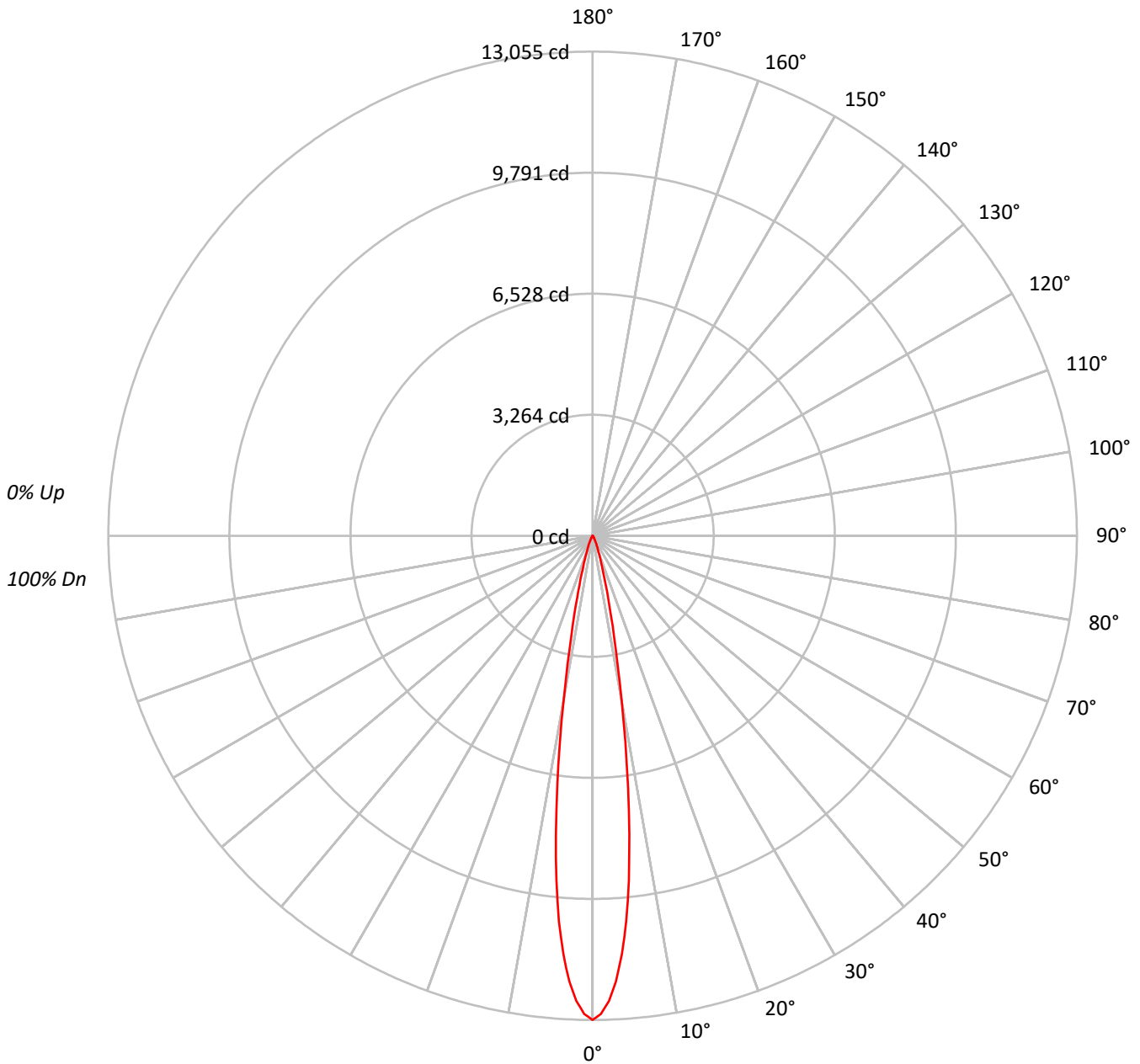
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6440887
5°	5162696
10°	2253325
15°	698268
20°	243454
25°	107512
30°	48651
35°	25296
40°	14426
45°	6838
50°	4298
55°	2408
60°	1381
65°	1634
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.6	58.0
10°-20°	433.5	31.8
20°-30°	98.8	7.2
30°-40°	28.4	2.1
40°-50°	8.8	0.6
50°-60°	2.6	0.2
60°-70°	1.2	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°	1324.0	97.0
0°-40°	1352.4	99.1
0°-60°	1363.8	99.9
0°-90°	1365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1365.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13055	
5°	10424	792
15°	1367	434
25°	198	99
35°	42	28
45°	10	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13055.1
1°	12892.6
2°	12555.1
3°	12031.2
4°	11311.2
5°	10424.5
6°	9337.5
7°	8123.0
8°	6855.3
9°	5628.3
10°	4497.9
11°	3541.1
12°	2787.5
13°	2193.6
14°	1732.7
15°	1367.1
16°	1078.6
17°	858.7
18°	690.6
19°	561.7
20°	463.7
22.5°	299.8
25°	197.5
26°	166.7
27°	141.5
28°	119.1
29°	99.5
30°	85.4
32.5°	58.8
35°	42.0
37.5°	30.8
40°	22.4
42.5°	15.4
45°	9.8
47.5°	7.0
50°	5.6
52.5°	4.2
55°	2.8
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4



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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



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— 0°-180°







70°		0.0
72.5°		0.0



(END OF REPORT)