

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: P264151

Luminaire Tested: **LD2B15D010 EU2B1510SP158050 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264151
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 EU2B1510SP158050 2LBD*WMH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1294.0 lumens
Efficiency: N/A
Efficacy: 90.5 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

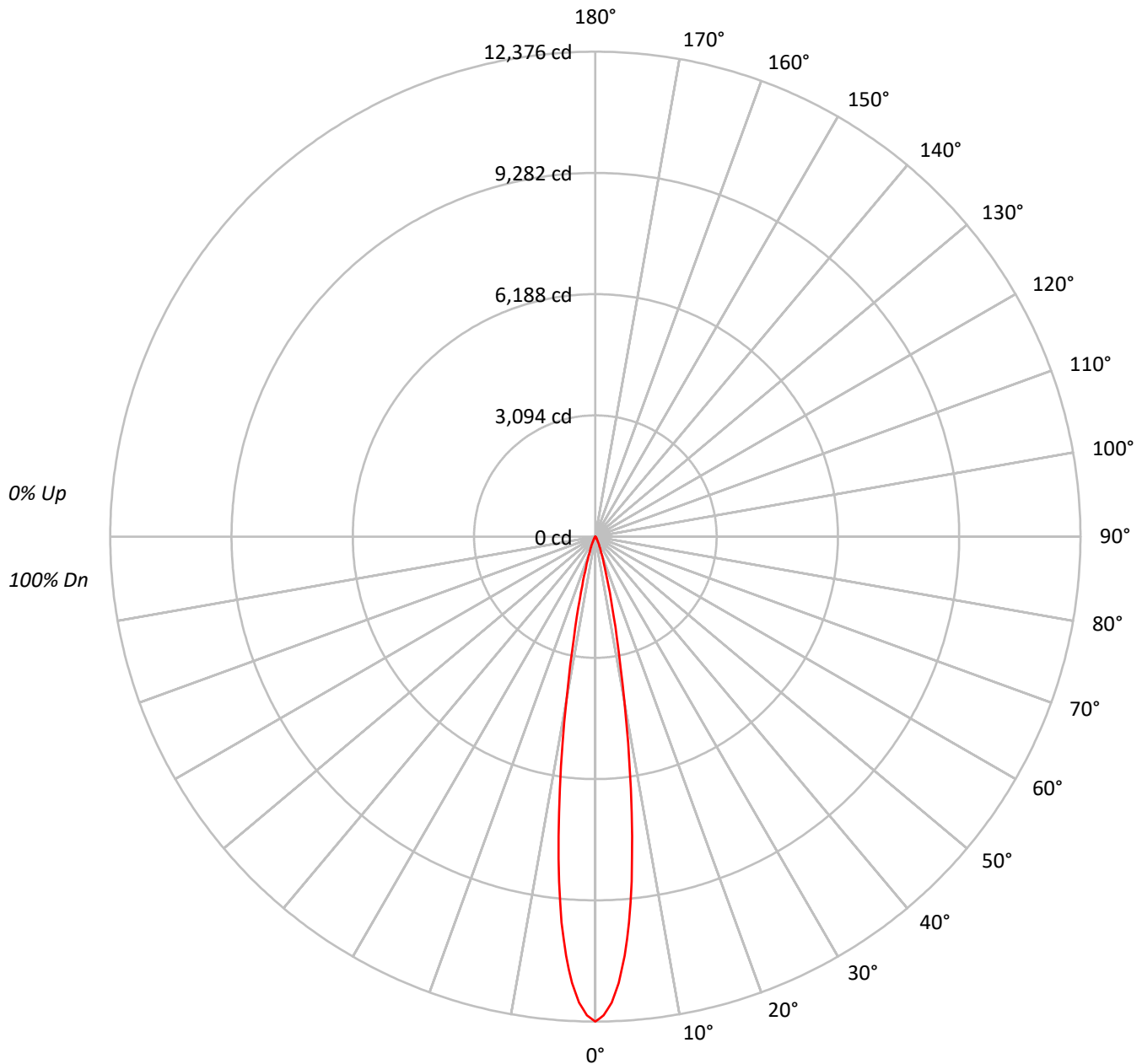
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	85		89	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6105895
5°	4894173
10°	2136097
15°	661952
20°	230748
25°	101905
30°	46144
35°	23971
40°	13654
45°	6489
50°	4068
55°	2322
60°	1283
65°	1518
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	750.4	58.0
10°-20°	411.0	31.8
20°-30°	93.7	7.2
30°-40°	26.9	2.1
40°-50°	8.3	0.6
50°-60°	2.5	0.2
60°-70°	1.1	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°	1255.1	97.0
0°-40°	1282.0	99.1
0°-60°	1292.8	99.9
0°-90°	1294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1294.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12376	
5°	9882	750
15°	1296	411
25°	187	94
35°	40	27
45°	9	8
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12376.1
1°	12222.0
2°	11902.0
3°	11405.4
4°	10722.8
5°	9882.3
6°	8851.8
7°	7700.5
8°	6498.8
9°	5335.5
10°	4263.9
11°	3356.9
12°	2642.5
13°	2079.5
14°	1642.6
15°	1296.0
16°	1022.5
17°	814.0
18°	654.7
19°	532.5
20°	439.5
22.5°	284.2
25°	187.2
26°	158.0
27°	134.1
28°	112.9
29°	94.3
30°	81.0
32.5°	55.8
35°	39.8
37.5°	29.2
40°	21.2
42.5°	14.6
45°	9.3
47.5°	6.6
50°	5.3
52.5°	4.0
55°	2.7
57.5°	1.3
60°	1.3
62.5°	1.3
65°	1.3
67.5°	1.3



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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)