

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: P264357

Luminaire Tested: **LD2B15D010 EU2B1510SP159035 2LBD*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264357
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 EU2B1510SP159035 2LBD*GPH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1036.1 lumens
Efficiency: N/A
Efficacy: 72.5 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

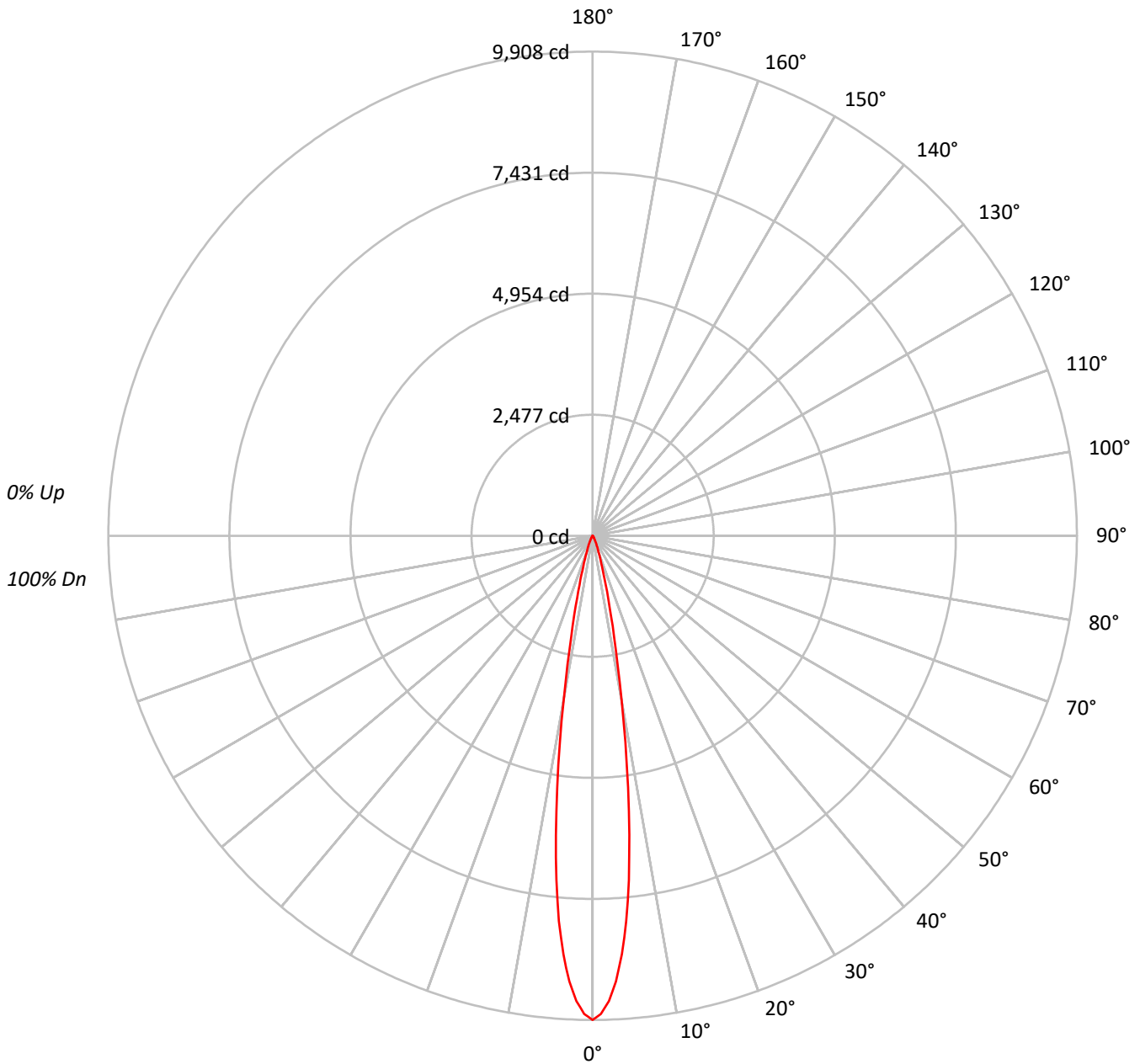
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	96						98										
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	95	94						96											
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	93	92						94											
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	91	90						92											
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	89	88						90											
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	88	87						89											
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	86	85						87											
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	85	84						86											
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	84	83						85											
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83	82	81						85											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4888475
5°	3918340
10°	1710221
15°	529970
20°	184756
25°	81600
30°	36973
35°	19213
40°	10949
45°	5163
50°	3300
55°	1806
60°	1085
65°	1284
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.8	58.0
10°-20°	329.0	31.8
20°-30°	75.0	7.2
30°-40°	21.6	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°	1004.9	97.0
0°-40°	1026.4	99.1
0°-60°	1035.1	99.9
0°-90°	1036.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9908	
5°	7912	601
15°	1038	329
25°	150	75
35°	32	22
45°	7	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9908.5
1°	9785.2
2°	9529.0
3°	9131.4
4°	8584.9
5°	7911.9
6°	7086.9
7°	6165.2
8°	5203.0
9°	4271.7
10°	3413.8
11°	2687.6
12°	2115.7
13°	1664.9
14°	1315.1
15°	1037.6
16°	818.6
17°	651.7
18°	524.1
19°	426.3
20°	351.9
22.5°	227.5
25°	149.9
26°	126.5
27°	107.4
28°	90.4
29°	75.5
30°	64.9
32.5°	44.7
35°	31.9
37.5°	23.4
40°	17.0
42.5°	11.7
45°	7.4
47.5°	5.3
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



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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)