

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: P280643

Luminaire Tested: **LDA2B159027D010 EU2B15WFL559027 2LBAD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B159027D010 EU2B15WFL559027 2LBAD1LI
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, LI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1192.8 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

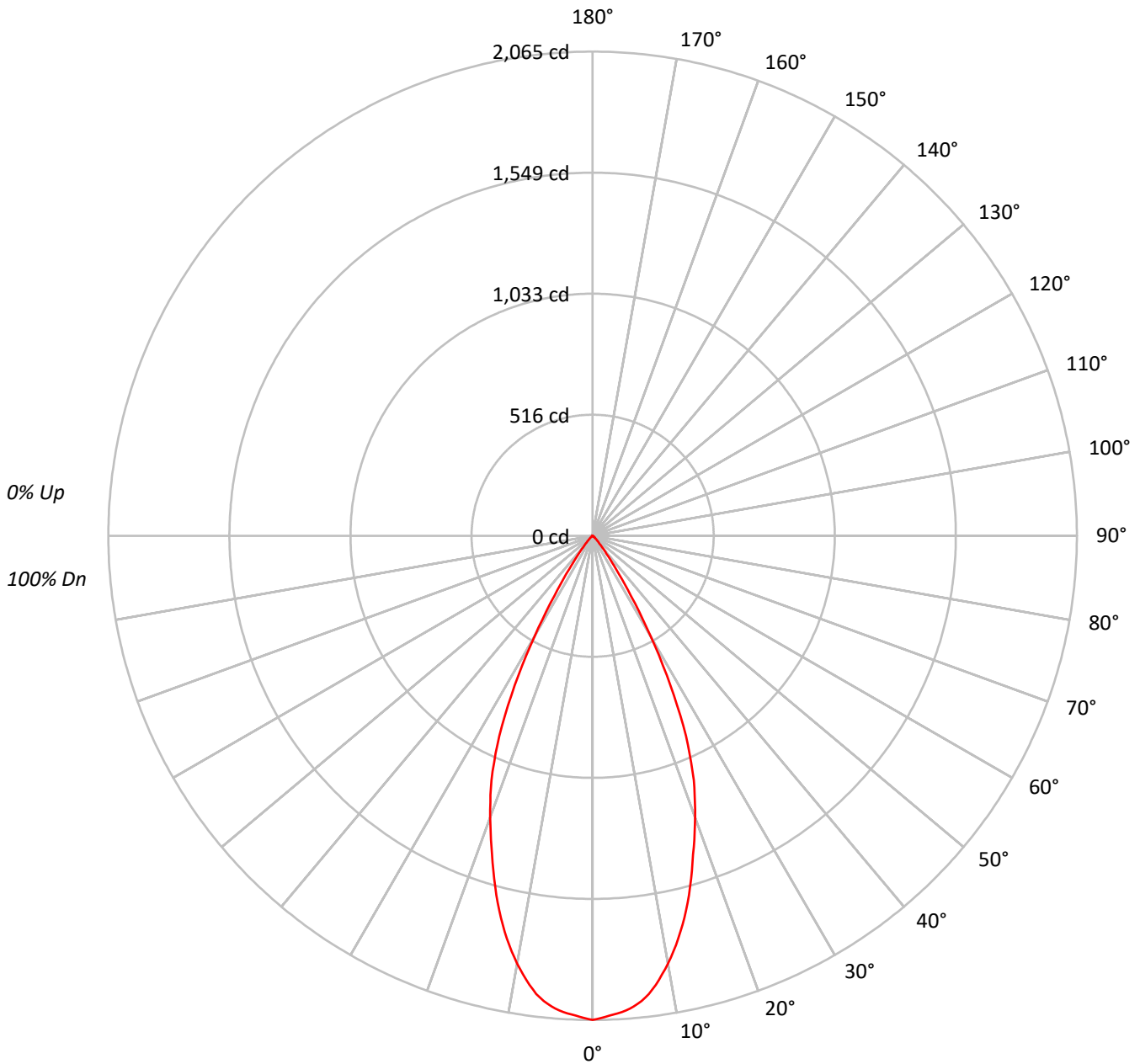
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95						95													
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90						90													
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85						85													
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80						80													
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76						76													
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72						72													
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69						69													
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65						65													
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62						62													
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59						59													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1018693
5°	997971
10°	928002
15°	810279
20°	670824
25°	513064
30°	280741
35°	103954
40°	36002
45°	16187
50°	7675
55°	3785
60°	1085
65°	700
70°	865
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	15.7
10°-20°	438.4	36.8
20°-30°	414.4	34.7
30°-40°	127.6	10.7
40°-50°	20.2	1.7
50°-60°	4.3	0.4
60°-70°	0.7	0.1
70°-80°	0.1	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°	1040.1	87.2
0°-40°	1167.7	97.9
0°-60°	1192.1	99.9
0°-90°	1192.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1192.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2065	
5°	2015	187
15°	1586	438
25°	942	414
35°	173	128
45°	23	20
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2064.8
1°	2057.1
2°	2047.7
3°	2039.9
4°	2030.0
5°	2015.1
6°	1995.7
7°	1969.7
8°	1934.8
9°	1894.5
10°	1852.4
11°	1806.0
12°	1756.7
13°	1703.1
14°	1647.2
15°	1586.4
17.5°	1425.4
20°	1277.7
22.5°	1127.8
25°	942.5
27.5°	719.1
30°	492.8
32.5°	302.6
35°	172.6
37.5°	96.2
40°	55.9
42.5°	34.8
45°	23.2
47.5°	15.5
50°	10.0
52.5°	6.6
55°	4.4
57.5°	2.8
60°	1.1
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)