

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: P280957

Luminaire Tested: **LDA2B209727D010 EU2B20WFL559727 2LBALD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280957
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: LDA2B209727D010 EU2B20WFL559727 2LBALD1B
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl w/lens Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1458.3 lumens
Efficiency: N/A
Efficacy: 70.8 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

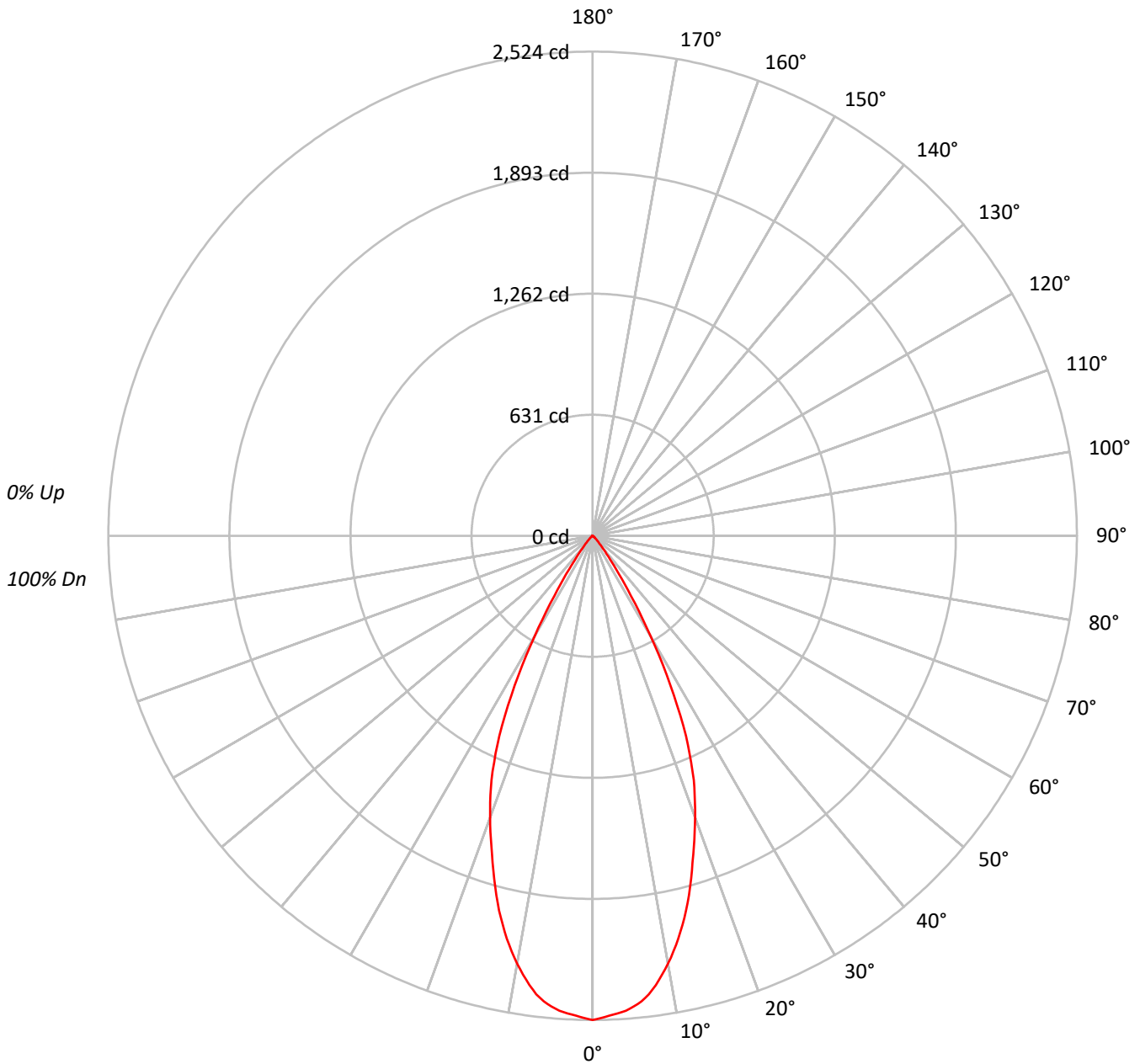
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	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																																				
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	97	95																																			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	90																																			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85																																				
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80																																				
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76																																				
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72																																				
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69																																				
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65																																				
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62																																				
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1245442
5°	1220039
10°	1134553
15°	990579
20°	820141
25°	627271
30°	343235
35°	127082
40°	43988
45°	19815
50°	9364
55°	4645
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.9	15.7
10°-20°	536.0	36.8
20°-30°	506.7	34.7
30°-40°	156.0	10.7
40°-50°	24.6	1.7
50°-60°	5.2	0.4
60°-70°	0.8	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°	1271.6	87.2
0°-40°	1427.6	97.9
0°-60°	1457.4	99.9
0°-90°	1458.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1458.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2524	
5°	2464	229
15°	1939	536
25°	1152	507
35°	211	156
45°	28	25
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2524.4
1°	2514.9
2°	2503.4
3°	2493.9
4°	2481.8
5°	2463.5
6°	2439.8
7°	2408.1
8°	2365.5
9°	2316.1
10°	2264.7
11°	2207.9
12°	2147.7
13°	2082.1
14°	2013.8
15°	1939.4
17.5°	1742.6
20°	1562.1
22.5°	1378.8
25°	1152.3
27.5°	879.1
30°	602.5
32.5°	369.9
35°	211.0
37.5°	117.7
40°	68.3
42.5°	42.6
45°	28.4
47.5°	18.9
50°	12.2
52.5°	8.1
55°	5.4
57.5°	3.4
60°	1.4
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
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)