

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: P279936

Luminaire Tested: **LDA2B208040D010 EU2B20FL408040 2LBALD1WHH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B208040D010 EU2B20FL408040 2LBALD1WHH
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, WHH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2252.8 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

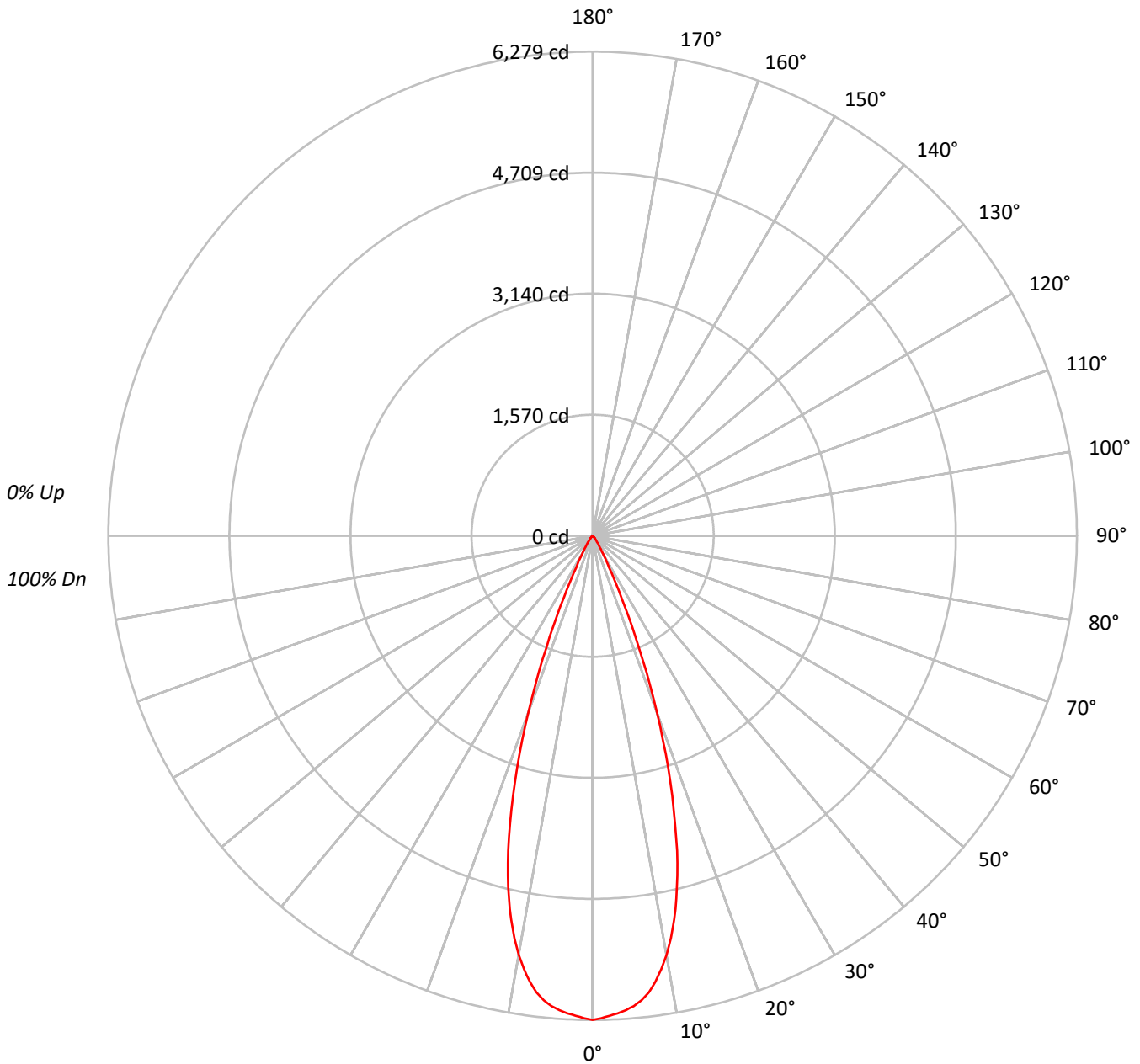
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89						89													
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3097769
5°	3032245
10°	2763716
15°	2159007
20°	1278225
25°	475176
30°	148460
35°	66010
40°	30656
45°	14443
50°	7906
55°	4473
60°	2072
65°	1167
70°	1442
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.0	25.1
10°-20°	1125.5	50.0
20°-30°	460.9	20.5
30°-40°	76.3	3.4
40°-50°	18.0	0.8
50°-60°	4.8	0.2
60°-70°	1.1	0.0
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°	2152.4	95.5
0°-40°	2228.7	98.9
0°-60°	2251.5	99.9
0°-90°	2252.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2252.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6279	
5°	6123	566
15°	4227	1126
25°	873	461
35°	110	76
45°	21	18
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6278.9
1°	6257.2
2°	6228.2
3°	6202.4
4°	6168.2
5°	6122.7
6°	6055.5
7°	5967.6
8°	5842.4
9°	5690.4
10°	5516.7
11°	5315.0
12°	5087.4
13°	4827.9
14°	4539.3
15°	4227.0
17.5°	3352.0
20°	2434.6
22.5°	1558.6
25°	872.9
27.5°	460.2
30°	260.6
32.5°	165.5
35°	109.6
37.5°	72.4
40°	47.6
42.5°	31.0
45°	20.7
47.5°	14.5
50°	10.3
52.5°	7.2
55°	5.2
57.5°	3.1
60°	2.1
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
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)