

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: P280818

Luminaire Tested: **LDA2B208040D010 EU2B20WFL558040 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280818
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: LDA2B208040D010 EU2B20WFL558040 2LBAD1H
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2245.2 lumens
Efficiency: N/A
Efficacy: 109.0 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

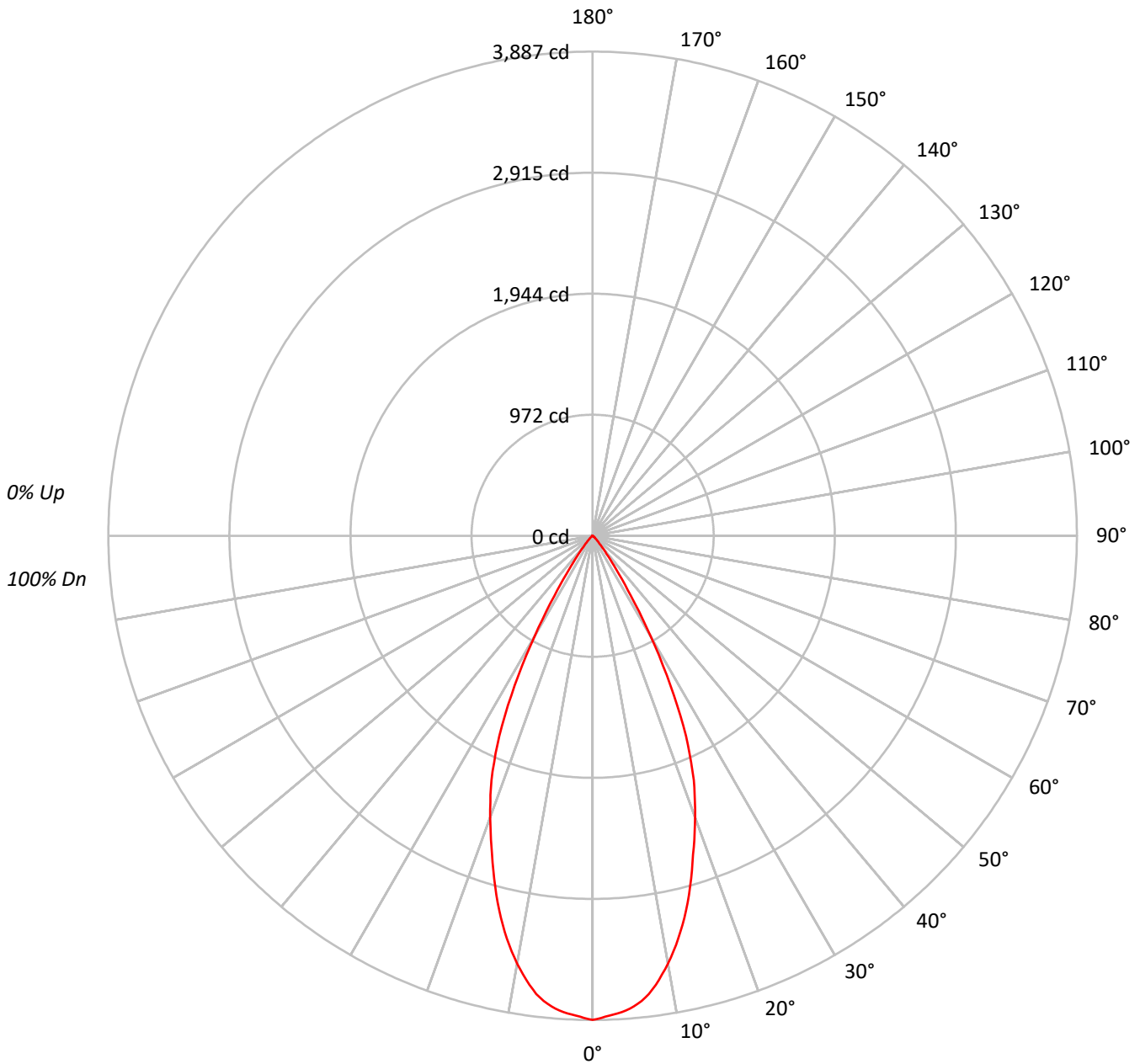
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1917500
5°	1878420
10°	1746792
15°	1525146
20°	1262737
25°	965757
30°	528497
35°	195622
40°	67753
45°	30490
50°	14353
55°	7139
60°	2072
65°	1167
70°	1442
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.4	15.7
10°-20°	825.3	36.8
20°-30°	780.1	34.7
30°-40°	240.1	10.7
40°-50°	38.0	1.7
50°-60°	8.0	0.4
60°-70°	1.1	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°	1957.8	87.2
0°-40°	2198.0	97.9
0°-60°	2243.9	99.9
0°-90°	2245.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2245.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3887	
5°	3793	352
15°	2986	825
25°	1774	780
35°	325	240
45°	44	38
55°	8	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3886.6
1°	3872.0
2°	3854.3
3°	3839.8
4°	3821.0
5°	3792.9
6°	3756.5
7°	3707.5
8°	3642.0
9°	3565.9
10°	3486.8
11°	3399.4
12°	3306.7
13°	3205.7
14°	3100.6
15°	2986.0
17.5°	2683.1
20°	2405.1
22.5°	2122.9
25°	1774.1
27.5°	1353.5
30°	927.7
32.5°	569.5
35°	324.8
37.5°	181.2
40°	105.2
42.5°	65.6
45°	43.7
47.5°	29.2
50°	18.7
52.5°	12.5
55°	8.3
57.5°	5.2
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)