

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: P279090

Luminaire Tested: **LDA2B209030D010 EU2B20NFL259030 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B209030D010 EU2B20NFL259030 2LBAD1H
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1692.1 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

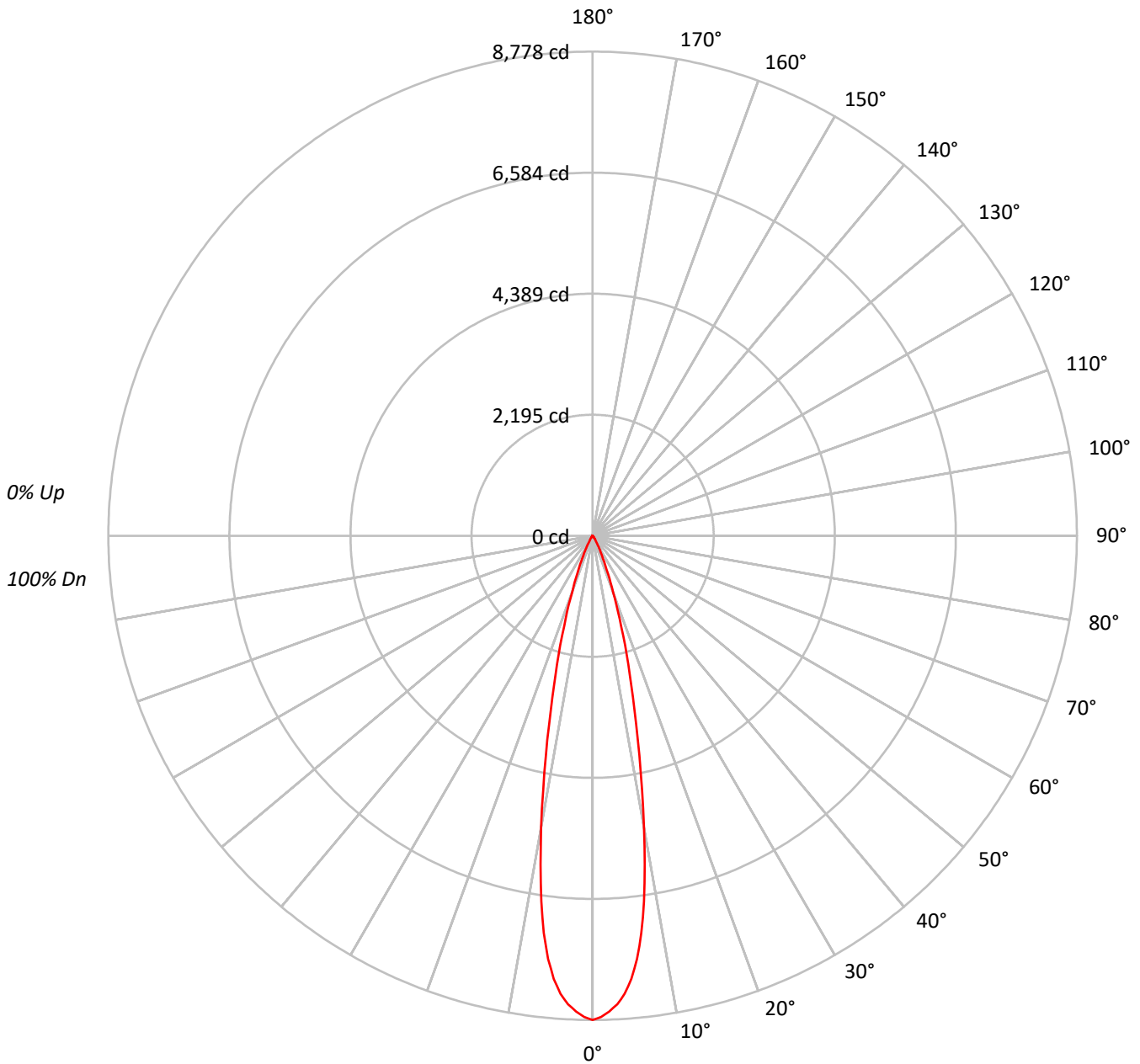
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97												97																
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94												94																
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91												91																
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89												89																
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86												86																
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84												84																
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82												82																
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80												80																
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78												78																
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76												76																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4330976
5°	3994211
10°	2691576
15°	1327071
20°	566869
25°	222863
30°	87732
35°	38426
40°	18484
45°	8931
50°	4912
55°	2752
60°	1579
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.2	40.4
10°-20°	735.8	43.5
20°-30°	212.5	12.6
30°-40°	44.8	2.7
40°-50°	11.0	0.7
50°-60°	3.2	0.2
60°-70°	1.1	0.1
70°-80°	0.5	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°	1631.4	96.4
0°-40°	1676.2	99.1
0°-60°	1690.4	99.9
0°-90°	1692.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1692.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8778	
5°	8065	683
15°	2598	736
25°	409	212
35°	64	45
45°	13	11
55°	3	3
65°	1	1
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8778.5
1°	8723.4
2°	8630.0
3°	8504.0
4°	8325.2
5°	8065.1
6°	7714.0
7°	7255.9
8°	6692.6
9°	6035.8
10°	5372.7
11°	4702.4
12°	4069.6
13°	3507.9
14°	3013.9
15°	2598.2
17.5°	1717.2
20°	1079.7
22.5°	663.9
25°	409.4
27.5°	249.8
30°	154.0
32.5°	97.4
35°	63.8
37.5°	42.3
40°	28.7
42.5°	19.9
45°	12.8
47.5°	8.0
50°	6.4
52.5°	4.8
55°	3.2
57.5°	2.4
60°	1.6
62.5°	1.6
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.8
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)