

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: P279044

Luminaire Tested: **LDA2B208050D010 EU2B20NFL258050 2LBAD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279044
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: LDA2B208050D010 EU2B20NFL258050 2LBAD1MW
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in ADJ spun Refl, Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2193.3 lumens
Efficiency: N/A
Efficacy: 106.5 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

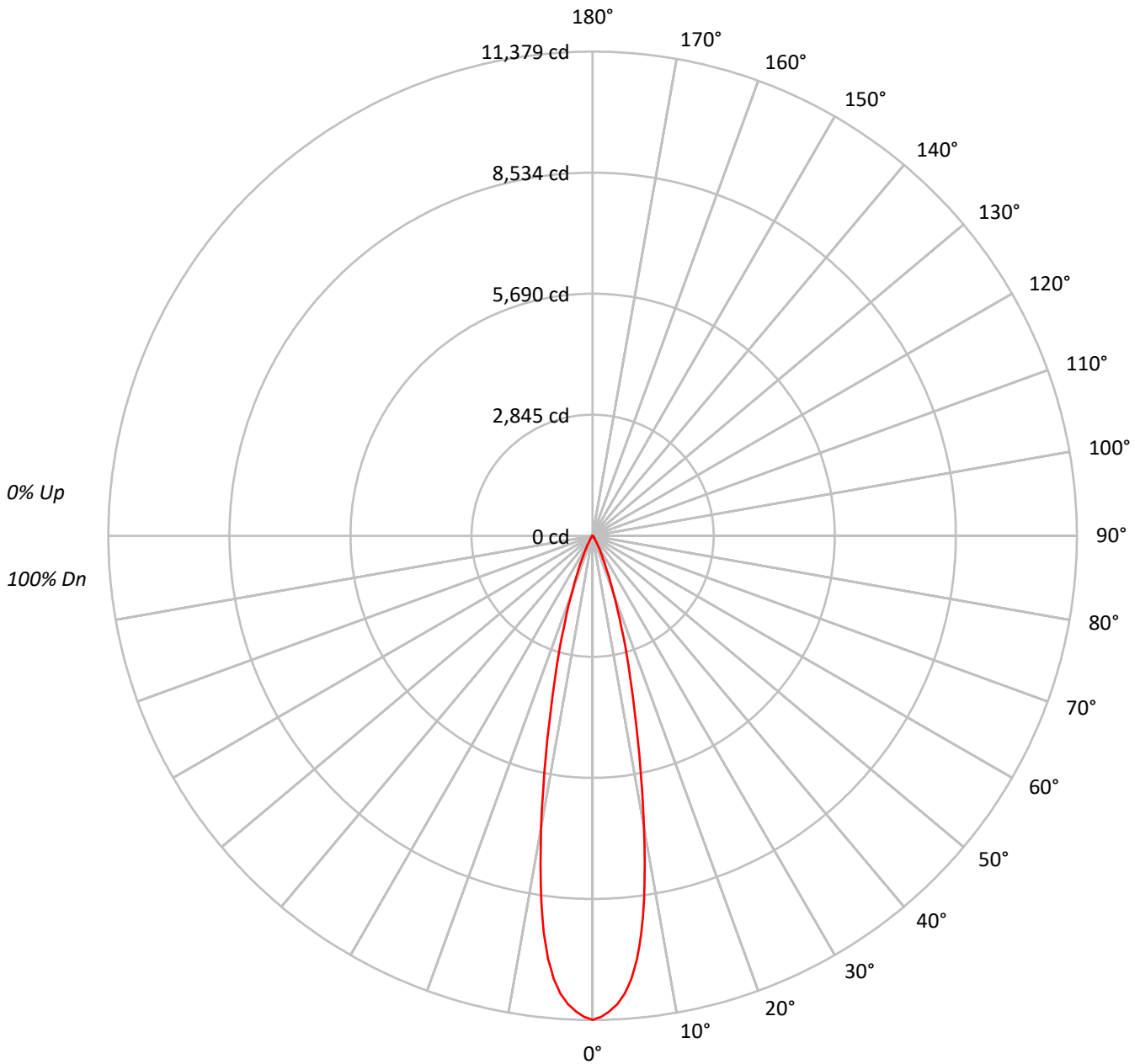
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	100	100	100	100	100													
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97	97	97	97													
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94	94	94	94	94	94	94													
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	91	91	91	91													
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89	89	89	89													
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86	86	86	86	86	86	86													
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84	84	84	84	84	84	84													
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82	82	82	82													
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80	80	80	80													
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78	78	78	78													
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76	76	76	76													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5614161
5°	5177602
10°	3489074
15°	1720259
20°	734772
25°	288840
30°	113709
35°	49869
40°	23958
45°	11582
50°	6371
55°	3527
60°	2072
65°	1167
70°	1442
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.6	40.4
10°-20°	953.8	43.5
20°-30°	275.4	12.6
30°-40°	58.1	2.7
40°-50°	14.3	0.7
50°-60°	4.1	0.2
60°-70°	1.4	0.1
70°-80°	0.7	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°	2114.7	96.4
0°-40°	2172.8	99.1
0°-60°	2191.3	99.9
0°-90°	2193.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2193.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11379	
5°	10455	886
15°	3368	954
25°	531	275
35°	83	58
45°	17	14
55°	4	4
65°	1	1
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11379.4
1°	11308.0
2°	11187.0
3°	11023.5
4°	10791.8
5°	10454.6
6°	9999.5
7°	9405.7
8°	8675.4
9°	7824.1
10°	6964.6
11°	6095.7
12°	5275.4
13°	4547.2
14°	3906.9
15°	3368.0
17.5°	2226.0
20°	1399.5
22.5°	860.6
25°	530.6
27.5°	323.8
30°	199.6
32.5°	126.2
35°	82.8
37.5°	54.8
40°	37.2
42.5°	25.9
45°	16.6
47.5°	10.3
50°	8.3
52.5°	6.2
55°	4.1
57.5°	3.1
60°	2.1
62.5°	2.1
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	0.0
77.5°	1.0
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)