

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: P280949

Luminaire Tested: **LDA2B209727D010 EU2B20WFL559727 2LBAD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280949
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 2LBAD1B
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1478.0 lumens
Efficiency: N/A
Efficacy: 71.7 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

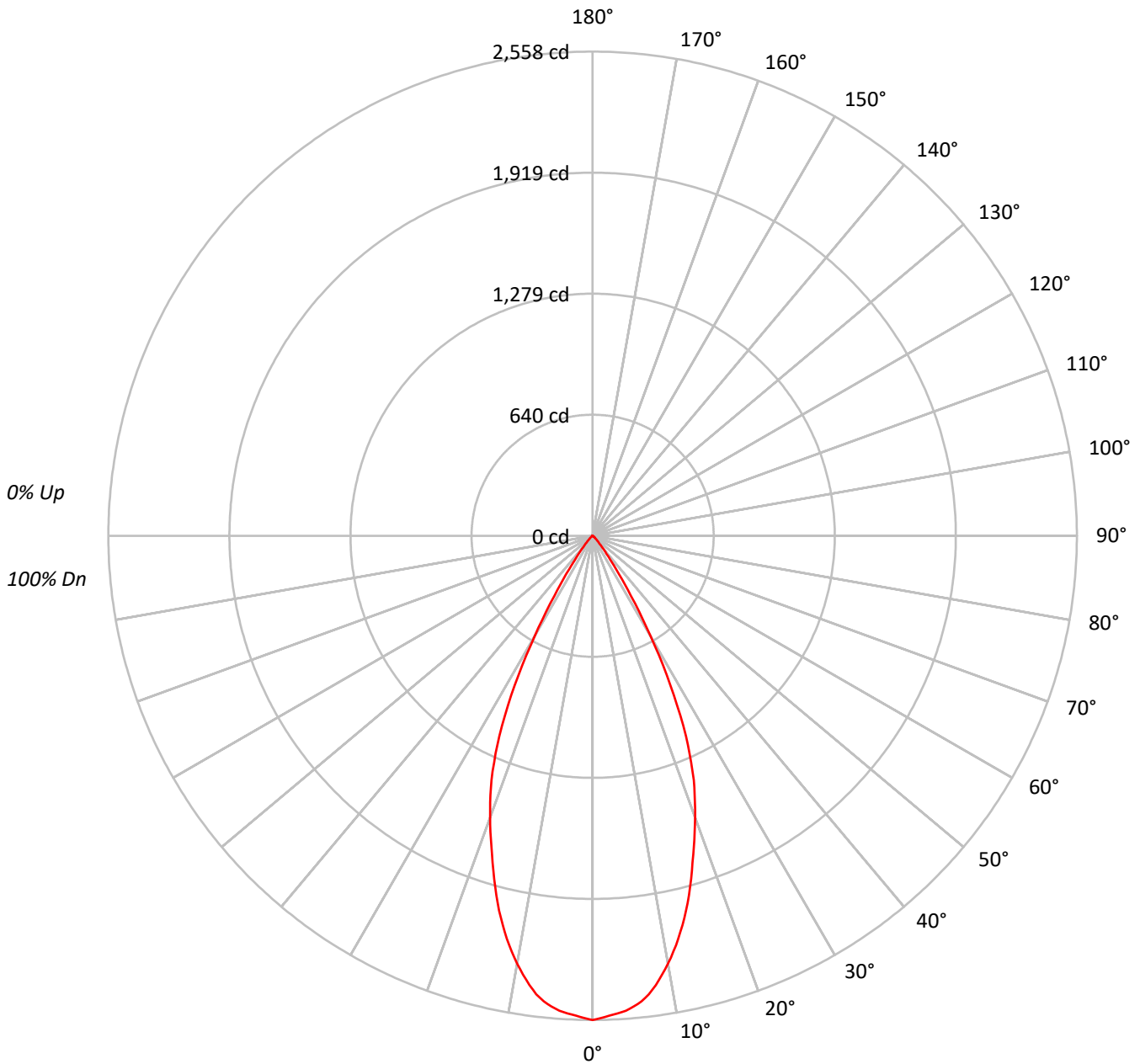
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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°	1262266
5°	1236531
10°	1149883
15°	1003961
20°	831219
25°	635763
30°	347907
35°	128768
40°	44567
45°	20094
50°	9441
55°	4731
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.0	15.7
10°-20°	543.3	36.8
20°-30°	513.5	34.7
30°-40°	158.1	10.7
40°-50°	25.0	1.7
50°-60°	5.3	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°	1288.8	87.2
0°-40°	1446.9	97.9
0°-60°	1477.1	99.9
0°-90°	1478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1478.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2558	
5°	2497	232
15°	1966	543
25°	1168	514
35°	214	158
45°	29	25
55°	6	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2558.5
1°	2548.9
2°	2537.2
3°	2527.6
4°	2515.3
5°	2496.8
6°	2472.8
7°	2440.6
8°	2397.4
9°	2347.4
10°	2295.3
11°	2237.7
12°	2176.7
13°	2110.3
14°	2041.0
15°	1965.6
17.5°	1766.2
20°	1583.2
22.5°	1397.5
25°	1167.9
27.5°	891.0
30°	610.7
32.5°	374.9
35°	213.8
37.5°	119.3
40°	69.2
42.5°	43.2
45°	28.8
47.5°	19.2
50°	12.3
52.5°	8.2
55°	5.5
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)