

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: P280871

Luminaire Tested: **LDA2B209027D010 EU2B20WFL559027 2LBAD1WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280871
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: LDA2B209027D010 EU2B20WFL559027 2LBAD1WH
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, WH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.2 lumens
Efficiency: N/A
Efficacy: 80.6 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

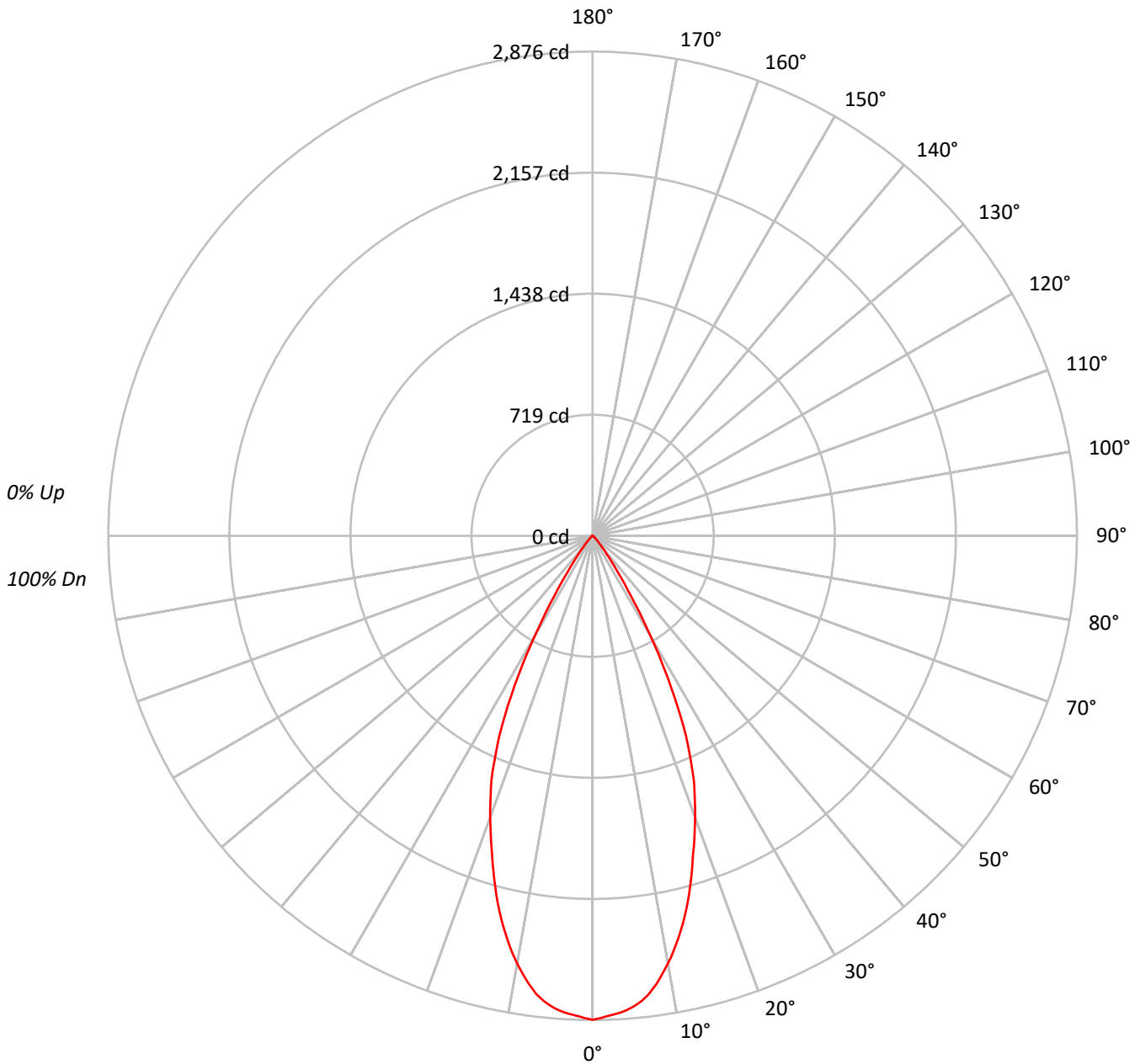
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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																												
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	97	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																												
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80																												
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76																												
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72																												
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69																												
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65																												
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62																												
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1418662
5°	1389760
10°	1292359
15°	1128384
20°	934229
25°	714533
30°	390975
35°	144729
40°	50106
45°	22606
50°	10669
55°	5333
60°	1480
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	15.7
10°-20°	610.6	36.8
20°-30°	577.1	34.7
30°-40°	177.7	10.7
40°-50°	28.1	1.7
50°-60°	6.0	0.4
60°-70°	0.9	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°	1448.5	87.2
0°-40°	1626.2	97.9
0°-60°	1660.2	99.9
0°-90°	1661.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2876	
5°	2806	261
15°	2209	611
25°	1313	577
35°	240	178
45°	32	28
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2875.5
1°	2864.8
2°	2851.7
3°	2840.9
4°	2827.0
5°	2806.2
6°	2779.3
7°	2743.1
8°	2694.5
9°	2638.3
10°	2579.7
11°	2515.0
12°	2446.5
13°	2371.8
14°	2294.0
15°	2209.2
17.5°	1985.1
20°	1779.4
22.5°	1570.6
25°	1312.6
27.5°	1001.4
30°	686.3
32.5°	421.4
35°	240.3
37.5°	134.0
40°	77.8
42.5°	48.5
45°	32.4
47.5°	21.6
50°	13.9
52.5°	9.2
55°	6.2
57.5°	3.9
60°	1.5
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
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)