

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: P280098

Luminaire Tested: **LDA2B058027D010 EU2B05WFL558027 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280098
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: LDA2B058027D010 EU2B05WFL558027 2LBAD1H
Description: PORTFOLIO 2IN ADJ 500 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: 832.2 lumens
Efficiency: N/A
Efficacy: 118.9 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

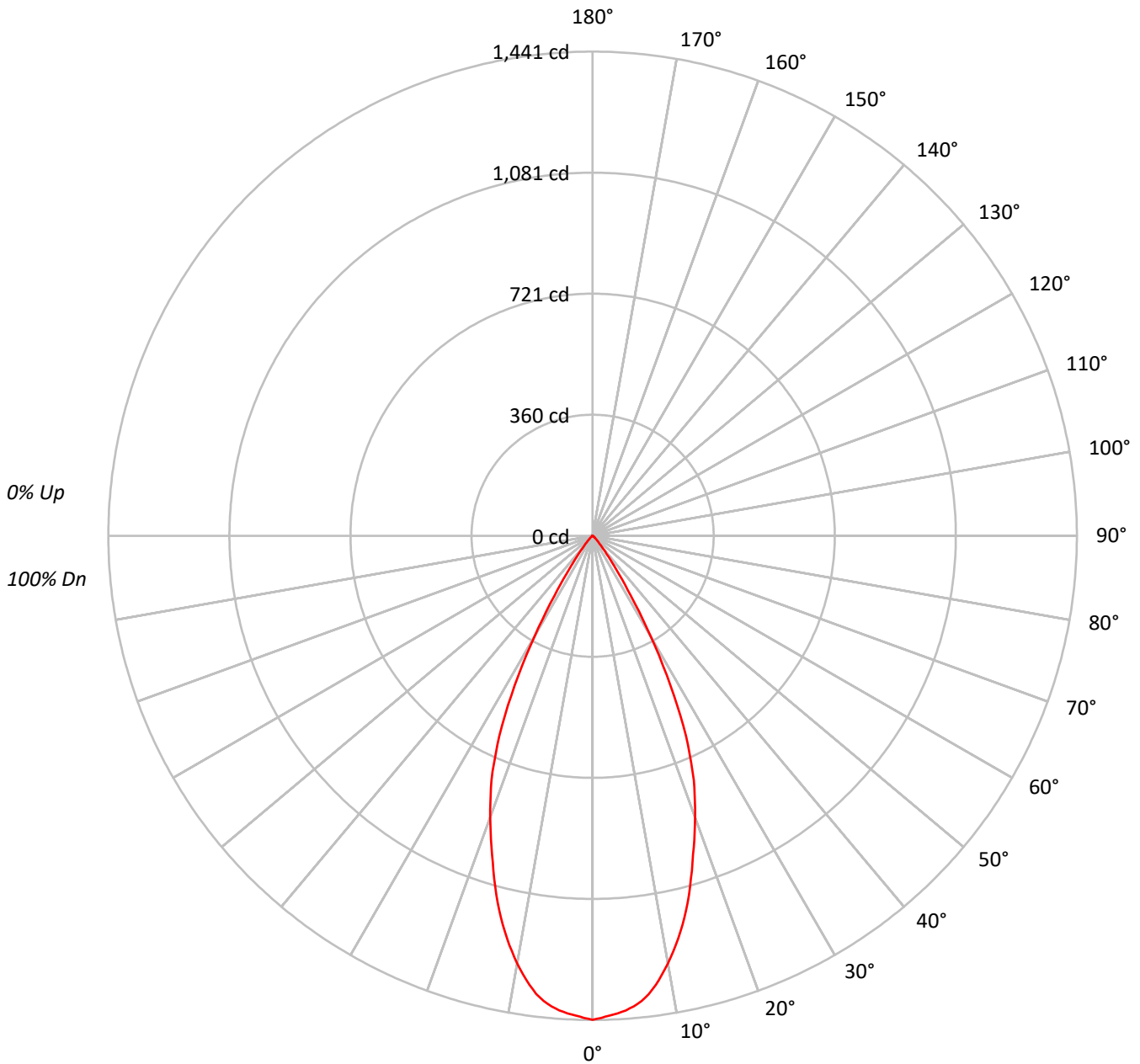
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	95	95	91	90	88	87	84	82	80	78	76	74	72	70	69	65	61																				
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	88	86	85																																		
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°	710737
5°	696267
10°	647507
15°	565315
20°	468059
25°	357974
30°	195915
35°	72515
40°	25117
45°	11303
50°	5296
55°	2666
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	15.7
10°-20°	305.9	36.8
20°-30°	289.2	34.7
30°-40°	89.0	10.7
40°-50°	14.1	1.7
50°-60°	3.0	0.4
60°-70°	0.4	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°	725.7	87.2
0°-40°	814.7	97.9
0°-60°	831.7	99.9
0°-90°	832.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	832.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1441	
5°	1406	131
15°	1107	306
25°	658	289
35°	120	89
45°	16	14
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1440.6
1°	1435.2
2°	1428.7
3°	1423.3
4°	1416.3
5°	1405.9
6°	1392.4
7°	1374.3
8°	1350.0
9°	1321.8
10°	1292.5
11°	1260.0
12°	1225.7
13°	1188.3
14°	1149.3
15°	1106.8
17.5°	994.5
20°	891.5
22.5°	786.9
25°	657.6
27.5°	501.7
30°	343.9
32.5°	211.1
35°	120.4
37.5°	67.2
40°	39.0
42.5°	24.3
45°	16.2
47.5°	10.8
50°	6.9
52.5°	4.6
55°	3.1
57.5°	1.9
60°	0.8
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)