

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: P281520

Luminaire Tested: **LDA2B109730D010 EU2B10SP159730 2LBASQC1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P281520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-908-6)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B109730D010 EU2B10SP159730 2LBASQC1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in Adj SQ Cast Trim, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.29
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

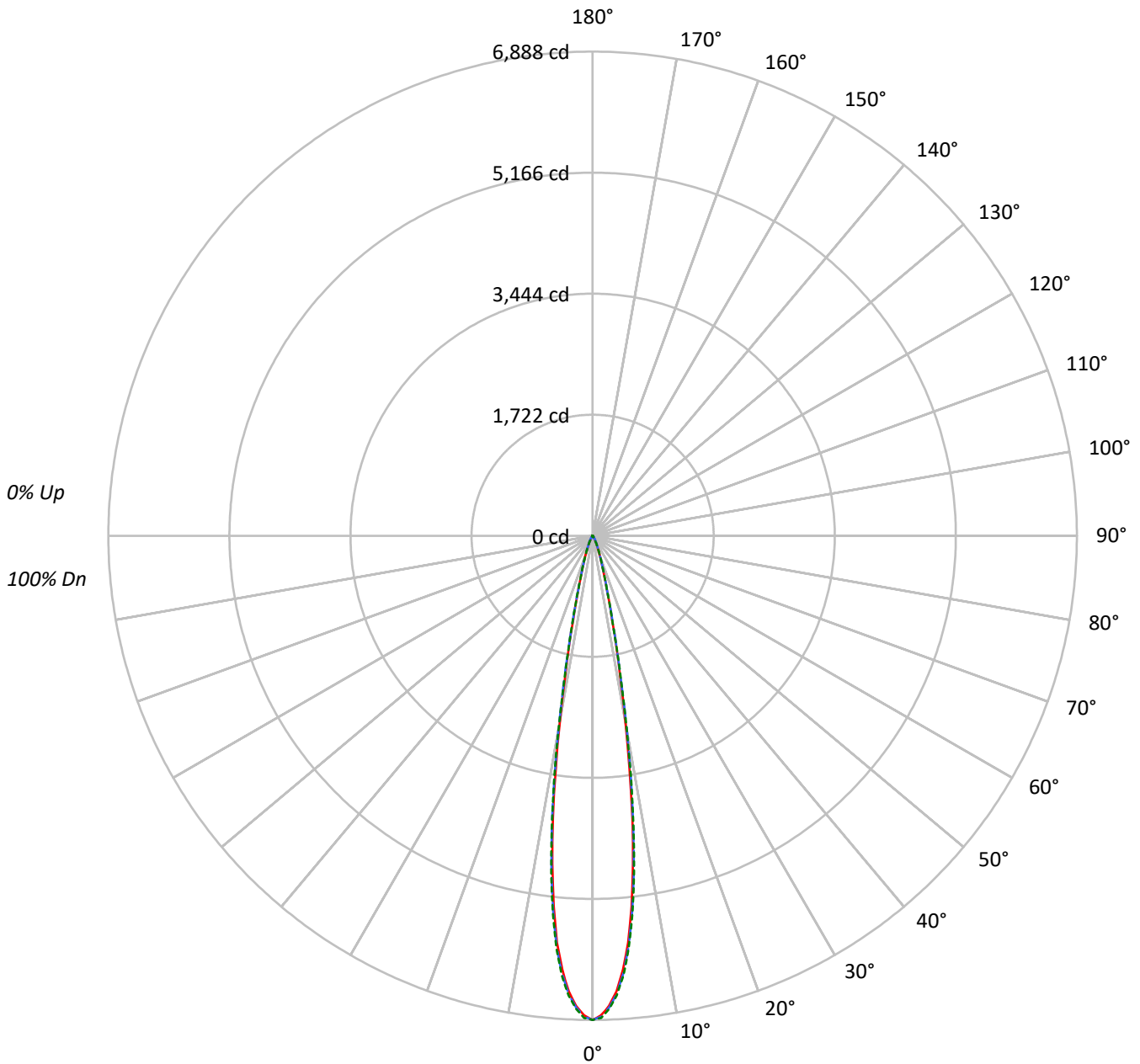
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	99	98	99	98	98																
2	113	109	107	105	111	108	105	103	105	103	101	102	100	99	99	98	97	96	99	98	97																
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	98	96	95																
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	96	95	93																
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	95	93	91																
6	103	97	94	91	101	97	94	91	96	93	91	94	92	90	93	91	90	89	93	91	90																
7	100	95	92	89	100	95	91	89	94	91	89	93	90	88	92	90	88	87	92	90	88																
8	99	93	90	88	98	93	90	87	92	89	87	91	89	87	90	88	86	86	90	88	86																
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	84	89	87	85																
10	95	90	87	84	94	89	86	84	89	86	84	88	86	84	88	85	84	83	88	85	84																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3398424	3398424	3398424
5°	2876341	2906403	2919081
10°	1345011	1396010	1398716
15°	393954	399674	399470
20°	158190	158400	158610
25°	70550	77681	72237
30°	29965	41188	27345
35°	13732	19092	12829
40°	4508	7471	3993
45°	0	2721	0
50°	0	0	0
55°	1290	688	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	2273	0	0
85°	4529	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.2	56.8
10°-20°	258.0	32.2
20°-30°	67.4	8.4
30°-40°	17.4	2.2
40°-50°	1.7	0.2
50°-60°	0.6	0.1
60°-70°	0.1	0.0
70°-80°	0.6	0.1
80°-90°	0.1	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°	780.6	97.5
0°-40°	798.0	99.6
0°-60°	800.2	99.9
0°-90°	801.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6888	6888	6888	6888	6888	
5°	5808	5860	5869	5832	5894	449
15°	771	782	782	774	782	253
25°	130	140	143	136	133	64
35°	23	24	32	22	21	16
45°	0	2	4	0	0	1
55°	2	2	1	0	0	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	2
85°	1	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6888.3	6888.3	6888.3	6888.3	6888.3
1°	6823.7	6850.7	6842.6	6833.0	6860.0
2°	6692.2	6718.5	6716.1	6703.4	6735.1
3°	6489.5	6526.2	6526.2	6507.3	6546.7
4°	6187.4	6243.5	6248.9	6222.2	6271.3
5°	5807.9	5859.7	5868.6	5831.5	5894.2
6°	5293.8	5364.6	5384.7	5341.8	5406.0
7°	4703.2	4777.5	4808.0	4760.1	4832.0
8°	4066.1	4119.5	4156.2	4101.3	4174.4
9°	3353.2	3430.2	3463.9	3410.5	3481.7
10°	2684.8	2755.6	2786.6	2773.8	2792.0
11°	2085.3	2147.9	2168.8	2151.4	2159.9
12°	1632.7	1657.9	1671.4	1659.8	1665.6
13°	1239.7	1273.4	1279.6	1274.5	1277.2
14°	968.2	984.4	991.4	989.1	990.2
15°	771.3	781.7	782.5	773.6	782.1
16°	621.2	629.3	632.8	623.5	634.8
17°	509.0	515.6	519.5	510.2	514.8
18°	418.9	423.9	429.4	421.2	428.2
19°	351.6	354.7	355.1	352.8	354.7
20°	301.3	299.8	301.7	297.5	302.1
22.5°	198.4	202.3	206.9	201.9	203.8
25°	129.6	140.4	142.7	136.2	132.7
26°	106.8	120.7	126.9	116.4	105.2
27°	88.6	98.6	106.8	92.8	83.9
28°	77.7	86.3	94.4	81.2	70.8
29°	65.0	73.5	87.4	72.3	65.8
30°	52.6	58.8	72.3	54.9	48.0
32.5°	29.8	34.8	46.8	32.5	26.7
35°	22.8	24.4	31.7	21.7	21.3
37.5°	19.7	17.8	24.8	17.8	14.3
40°	7.0	10.4	11.6	7.7	6.2
42.5°	3.1	3.1	5.0	1.5	1.5
45°	0.0	1.5	3.9	0.4	0.0
47.5°	0.0	0.0	0.8	0.0	0.0
50°	0.0	0.8	0.0	0.0	0.0
52.5°	0.8	0.0	0.0	0.0	0.0
55°	1.5	1.9	0.8	0.4	0.0
57.5°	2.3	1.9	0.8	0.8	0.8
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.8	0.4	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
75°	0.0	0.4	0.0	0.0	0.0
77.5°	3.9	0.8	1.2	0.8	1.5
80°	0.8	0.0	0.0	0.0	0.0
82.5°	1.5	0.0	0.0	0.0	0.0
85°	0.8	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	0.0	0.4	0.0
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°







70°	0.0	0.0	0.0	0.0	0.0
72.5°	1.5	1.2	0.0	0.0	1.5



(END OF REPORT)