

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: P283980

Luminaire Tested: **LDA2B158035D010 EU2B15WFL558035 2LBALPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-61)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B158035D010 EU2B15WFL558035 2LBALPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1208.9 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

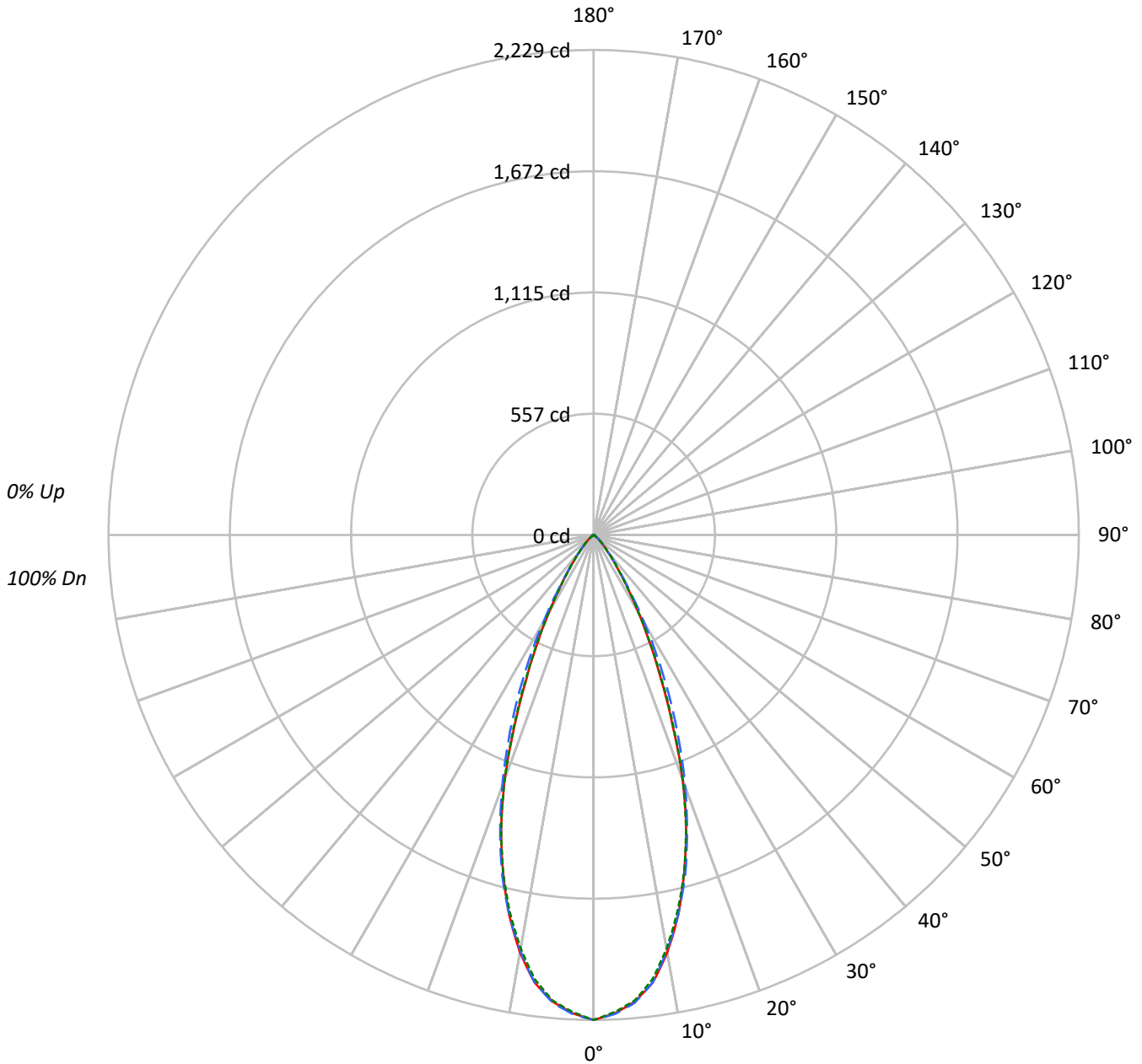
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89																			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84																			
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79																			
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75																			
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71																			
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67																			
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64																			
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61																			
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1099703	1099703	1099703
5°	1066662	1069237	1064433
10°	976396	972488	966627
15°	821260	828871	819932
20°	628034	644730	627037
25°	398801	449645	406586
30°	231976	261884	236021
35°	122625	130455	122986
40°	64726	67624	64726
45°	36212	37537	36630
50°	16886	21414	16886
55°	6107	11698	6709
60°	7006	7006	7006
65°	7588	8288	7588
70°	9376	8366	9376
75°	8578	8578	8578
80°	9092	7387	9092
85°	7359	7359	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.0	16.5
10°-20°	443.0	36.6
20°-30°	357.8	29.6
30°-40°	141.4	11.7
40°-50°	43.4	3.6
50°-60°	11.2	0.9
60°-70°	6.8	0.6
70°-80°	4.9	0.4
80°-90°	1.4	0.1
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°	999.8	82.7
0°-40°	1141.2	94.4
0°-60°	1195.8	98.9
0°-90°	1208.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1208.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2154	2158	2159	2154	2149	199
15°	1608	1612	1623	1616	1605	442
25°	733	768	826	782	747	341
35°	204	209	217	210	204	136
45°	52	52	54	53	52	42
55°	7	10	14	10	8	9
65°	6	7	7	7	6	7
75°	4	4	4	4	4	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2229.0	2229.0	2229.0	2229.0	2229.0
2.5°	2201.2	2202.5	2204.4	2201.8	2195.3
5°	2153.8	2157.7	2159.0	2154.5	2149.3
7.5°	2076.0	2071.5	2075.4	2067.6	2061.1
10°	1949.0	1943.1	1941.2	1929.5	1929.5
12.5°	1792.1	1790.1	1791.4	1785.6	1776.5
15°	1607.9	1612.5	1622.8	1616.3	1605.3
17.5°	1412.8	1419.2	1428.3	1426.4	1411.5
20°	1196.2	1215.0	1228.0	1215.7	1194.3
22.5°	949.8	990.0	1023.1	997.2	962.2
25°	732.6	767.7	826.0	781.9	746.9
27.5°	555.6	580.9	634.1	590.7	566.7
30°	407.2	422.7	459.7	431.2	414.3
32.5°	291.1	302.1	317.7	300.8	292.4
35°	203.6	209.4	216.6	210.1	204.2
37.5°	143.3	145.2	150.4	145.2	142.6
40°	100.5	101.1	105.0	101.8	100.5
42.5°	72.6	72.6	74.6	73.3	72.6
45°	51.9	52.5	53.8	53.2	52.5
47.5°	37.0	38.3	38.3	38.9	36.3
50°	22.0	27.2	27.9	27.2	22.0
52.5°	11.7	16.2	20.1	16.2	11.7
55°	7.1	9.7	13.6	9.7	7.8
57.5°	7.1	7.1	9.1	7.8	7.1
60°	7.1	7.1	7.1	7.1	7.1
62.5°	7.1	7.1	7.1	7.1	7.1
65°	6.5	7.1	7.1	7.1	6.5
67.5°	6.5	6.5	6.5	6.5	6.5
70°	6.5	6.5	5.8	6.5	6.5
72.5°	5.8	5.8	5.2	5.8	5.8
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.9	3.9	3.9	3.9	3.9
80°	3.2	3.2	2.6	3.2	3.2
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)