

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: P283628

Luminaire Tested: **LDA2B158027D010 EU2B15FL408027 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-15)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B158027D010 EU2B15FL408027 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in Adj SQ PinHole, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1242.9 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

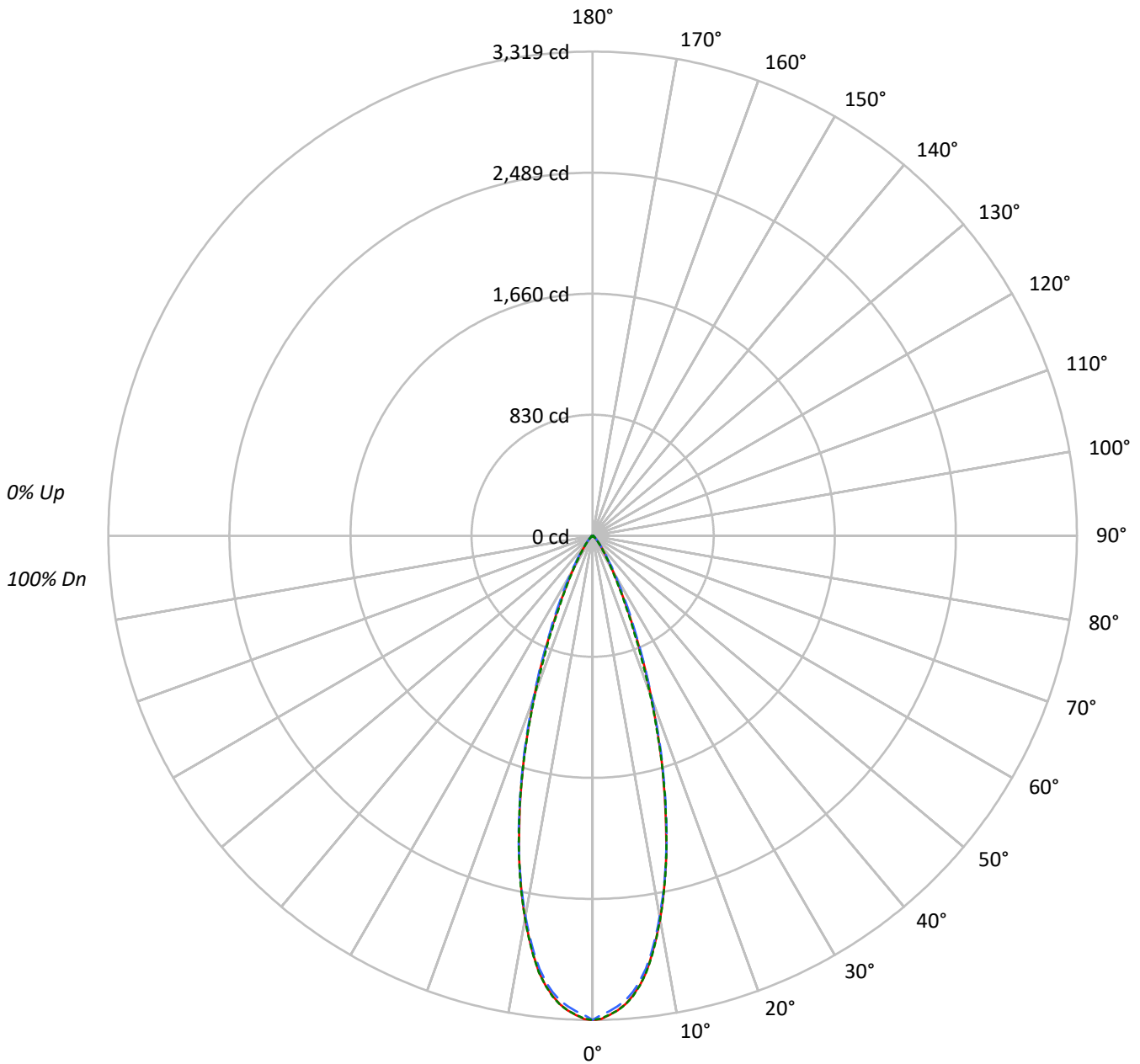
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																			
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90																			
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86																			
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82																			
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79																			
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75																			
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72																			
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69																			
9	84	77	72	69	83	76	72	68	75	71	68	74	71	68	74	70	68	67																			
10	82	74	69	66	81	73	69	66	73	69	66	72	68	65	71	68	65	64																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1637566	1637566	1637566
5°	1567158	1555420	1569535
10°	1335142	1326776	1336545
15°	984041	990477	987259
20°	614331	625672	600786
25°	317310	340500	301415
30°	152163	174381	144985
35°	78538	86910	73479
40°	43988	46242	41734
45°	26792	26792	25816
50°	13892	17116	13892
55°	7225	11354	7827
60°	8288	8288	8288
65°	8989	8989	8989
70°	11107	10097	11107
75°	10675	10675	10675
80°	9944	9944	9944
85°	7925	7925	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.5	23.0
10°-20°	524.4	42.2
20°-30°	284.3	22.9
30°-40°	91.3	7.3
40°-50°	31.1	2.5
50°-60°	10.9	0.9
60°-70°	8.0	0.6
70°-80°	5.8	0.5
80°-90°	1.7	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°	1094.2	88.0
0°-40°	1185.5	95.4
0°-60°	1227.5	98.8
0°-90°	1242.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1242.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3319	3319	3319	3319	3319	
5°	3164	3145	3141	3172	3169	286
15°	1927	1943	1939	1948	1933	522
25°	583	609	626	582	554	279
35°	130	136	144	131	122	88
45°	38	39	38	38	37	31
55°	8	10	13	10	9	9
65°	8	8	8	8	8	8
75°	6	6	6	6	6	6
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3319.2	3319.2	3319.2	3319.2	3319.2
1°	3313.6	3289.9	3286.4	3317.1	3310.1
2°	3287.1	3264.8	3261.3	3292.0	3285.7
3°	3257.8	3237.6	3230.6	3262.7	3258.5
4°	3218.8	3199.9	3193.7	3225.7	3222.2
5°	3164.4	3144.8	3140.7	3172.0	3169.2
6°	3097.4	3081.4	3073.7	3105.1	3099.5
7°	3013.7	2999.1	2990.7	3013.7	3016.5
8°	2905.0	2898.0	2888.2	2911.2	2911.2
9°	2789.2	2782.9	2772.5	2793.4	2793.4
10°	2665.1	2660.9	2648.4	2667.9	2667.9
11°	2529.1	2527.0	2518.0	2534.0	2534.0
12°	2386.2	2391.1	2382.7	2396.6	2391.8
13°	2243.2	2241.1	2241.8	2252.3	2244.6
14°	2081.5	2094.0	2096.1	2102.4	2090.5
15°	1926.6	1942.7	1939.2	1948.3	1932.9
16°	1768.4	1786.5	1785.8	1787.9	1773.2
17°	1620.5	1631.0	1631.7	1629.6	1611.5
18°	1462.9	1477.6	1477.6	1474.1	1452.5
19°	1308.8	1320.0	1327.7	1320.0	1294.9
20°	1170.1	1177.7	1191.7	1172.2	1144.3
21°	1036.9	1043.9	1055.7	1032.7	1002.0
22°	909.3	918.3	929.5	903.0	870.9
23°	790.0	811.0	815.1	778.9	751.7
24°	680.6	704.3	711.2	674.3	645.7
25°	582.9	609.4	625.5	582.2	553.7
26°	498.6	524.4	543.9	500.7	473.5
27°	424.7	451.9	472.1	431.6	405.8
28°	361.2	387.7	408.6	371.0	346.6
29°	313.8	329.1	350.0	318.7	296.4
30°	267.1	283.8	306.1	274.0	254.5
32.5°	183.4	192.5	209.9	190.4	175.0
35°	130.4	136.0	144.3	131.1	122.0
37.5°	92.7	95.5	100.4	92.7	87.9
40°	68.3	69.7	71.8	67.6	64.8
42.5°	50.9	51.6	51.6	50.2	48.8
45°	38.4	39.0	38.4	38.4	37.0
47.5°	27.9	30.0	29.3	29.3	27.2
50°	18.1	22.3	22.3	21.6	18.1
52.5°	11.2	15.3	17.4	15.3	11.9
55°	8.4	10.5	13.2	10.5	9.1
57.5°	8.4	8.4	9.8	8.4	8.4
60°	8.4	8.4	8.4	8.4	8.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	7.7	7.7	7.7	7.7	7.7
70°	7.7	7.7	7.0	7.7	7.7
72.5°	7.0	7.0	6.3	7.0	6.3
75°	5.6	5.6	5.6	5.6	5.6
77.5°	4.2	4.2	4.2	4.2	4.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	2.1	2.1	2.1	2.8	2.1
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0



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







62.5°	8.4	8.4	8.4	8.4	8.4
65°	7.7	8.4	7.7	8.4	7.7



(END OF REPORT)