

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: P283820

Luminaire Tested: **LDA2B058050D010 EU2B05WFL558050 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283820
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: LDA2B058050D010 EU2B05WFL558050 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 766.9 lumens
Efficiency: N/A
Efficacy: 109.6 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

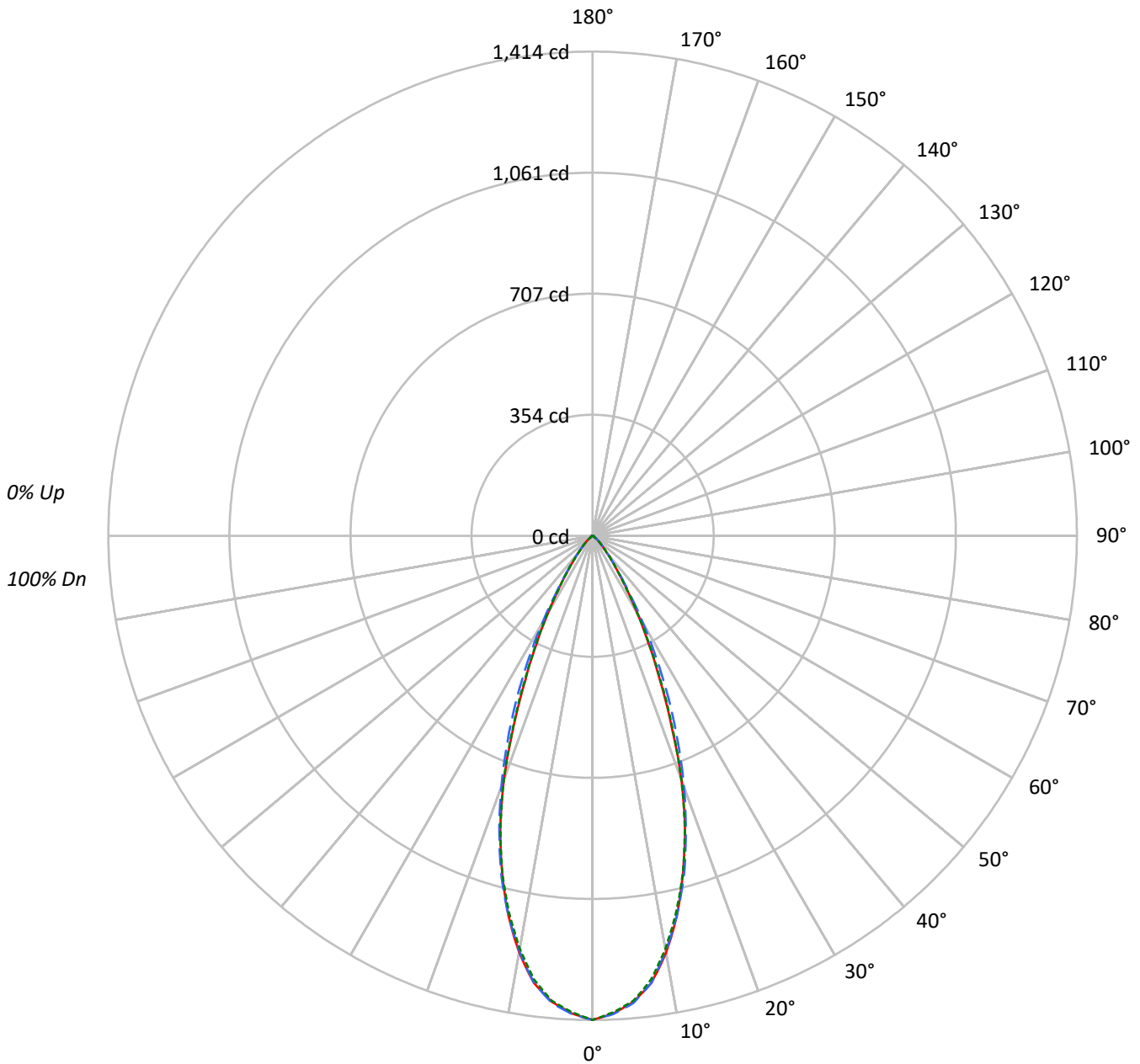
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	697564	697564	697564
5°	676606	678240	675169
10°	619302	616848	613140
15°	520930	525782	520113
20°	398389	408942	397706
25°	252966	285193	257920
30°	147150	166120	149713
35°	77755	82754	77996
40°	41025	42893	41025
45°	22955	23792	23234
50°	10745	13585	10745
55°	3871	7397	4215
60°	4440	4440	4440
65°	4786	5253	4786
70°	5914	5337	5914
75°	5528	5528	5528
80°	5966	4546	5966
85°	4529	4529	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	16.5
10°-20°	281.0	36.6
20°-30°	227.0	29.6
30°-40°	89.7	11.7
40°-50°	27.5	3.6
50°-60°	7.1	0.9
60°-70°	4.3	0.6
70°-80°	3.2	0.4
80°-90°	0.9	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°	634.2	82.7
0°-40°	723.9	94.4
0°-60°	758.5	98.9
0°-90°	766.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	766.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1366	1369	1370	1367	1363	126
15°	1020	1023	1029	1025	1018	280
25°	465	487	524	496	474	216
35°	129	133	137	133	130	86
45°	33	33	34	34	33	27
55°	4	6	9	6	5	6
65°	4	4	4	4	4	4
75°	3	3	3	3	3	3
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°	1413.9	1413.9	1413.9	1413.9	1413.9
2.5°	1396.2	1397.0	1398.3	1396.6	1392.5
5°	1366.2	1368.7	1369.5	1366.6	1363.3
7.5°	1316.8	1314.0	1316.4	1311.5	1307.4
10°	1236.2	1232.5	1231.3	1223.9	1223.9
12.5°	1136.7	1135.5	1136.3	1132.6	1126.8
15°	1019.9	1022.8	1029.4	1025.3	1018.3
17.5°	896.1	900.2	906.0	904.8	895.3
20°	758.8	770.7	778.9	771.1	757.5
22.5°	602.5	628.0	649.0	632.5	610.3
25°	464.7	486.9	523.9	496.0	473.8
27.5°	352.4	368.5	402.2	374.7	359.4
30°	258.3	268.1	291.6	273.5	262.8
32.5°	184.7	191.6	201.5	190.8	185.5
35°	129.1	132.8	137.4	133.2	129.5
37.5°	90.9	92.1	95.4	92.1	90.5
40°	63.7	64.2	66.6	64.6	63.7
42.5°	46.1	46.1	47.3	46.5	46.1
45°	32.9	33.3	34.1	33.7	33.3
47.5°	23.4	24.3	24.3	24.7	23.0
50°	14.0	17.3	17.7	17.3	14.0
52.5°	7.4	10.3	12.7	10.3	7.4
55°	4.5	6.2	8.6	6.2	4.9
57.5°	4.5	4.5	5.8	4.9	4.5
60°	4.5	4.5	4.5	4.5	4.5
62.5°	4.5	4.5	4.5	4.5	4.5
65°	4.1	4.5	4.5	4.5	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	4.1	4.1	3.7	4.1	4.1
72.5°	3.7	3.7	3.3	3.7	3.7
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.5	2.5	2.5	2.5	2.5
80°	2.1	2.1	1.6	2.1	2.1
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)