

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: P283881

Luminaire Tested: **LDA2B108027D010 EU2B10WFL558027 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283881
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: LDA2B108027D010 EU2B10WFL558027 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 949.8 lumens
Efficiency: N/A
Efficacy: 95.0 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

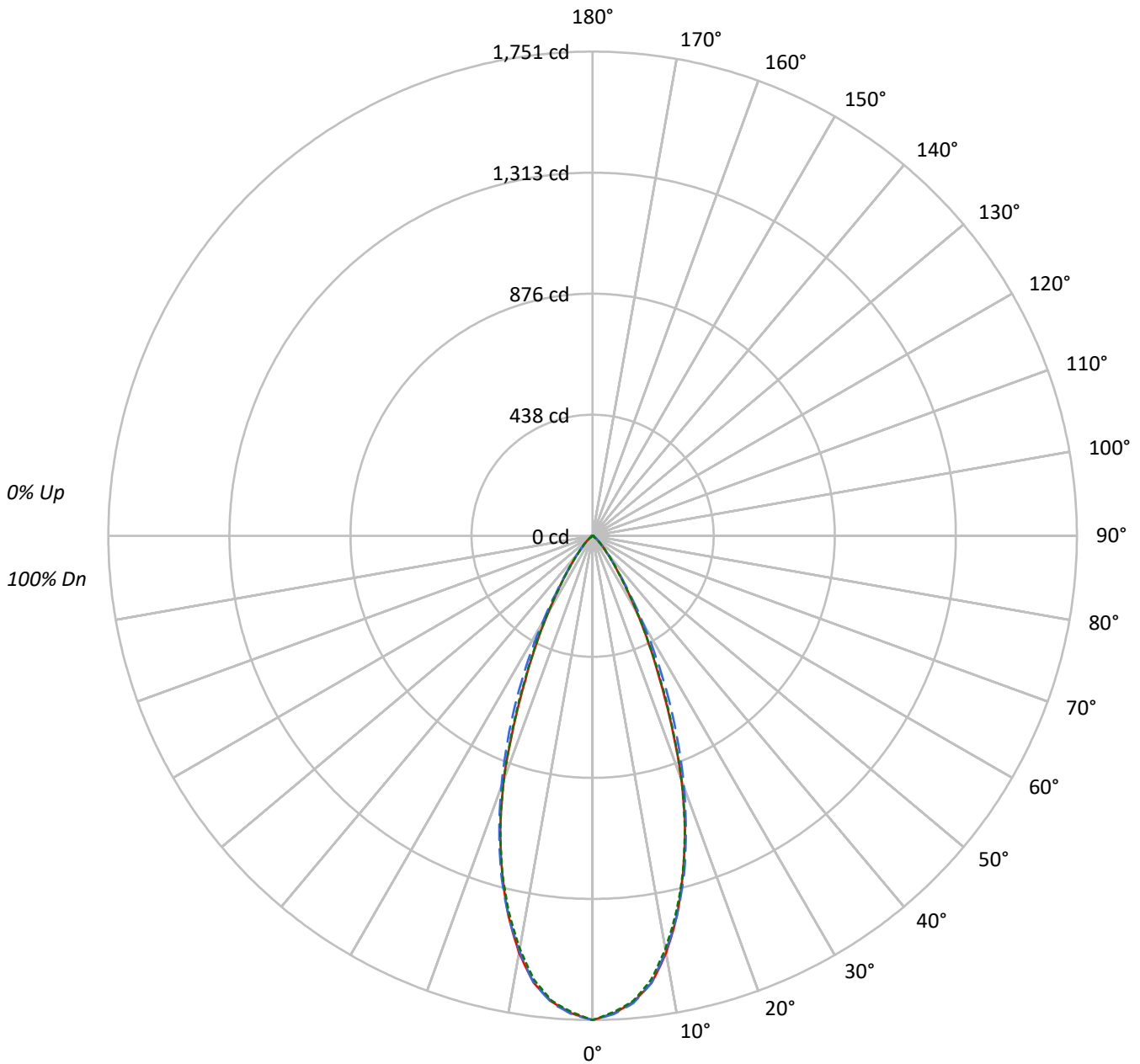
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	863926	863926	863926
5°	837957	839987	836223
10°	767039	763983	759374
15°	645199	651175	644127
20°	493366	506491	492578
25°	313336	353238	319433
30°	182242	205713	185433
35°	96305	102448	96606
40°	50815	53133	50815
45°	28397	29514	28816
50°	13278	16809	13278
55°	4817	9204	5247
60°	5526	5526	5526
65°	5954	6537	5954
70°	7357	6635	7357
75°	6862	6862	6862
80°	7103	5682	7103
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.3	16.5
10°-20°	348.0	36.6
20°-30°	281.1	29.6
30°-40°	111.1	11.7
40°-50°	34.1	3.6
50°-60°	8.8	0.9
60°-70°	5.3	0.6
70°-80°	3.9	0.4
80°-90°	1.1	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°	785.4	82.7
0°-40°	896.5	94.4
0°-60°	939.4	98.9
0°-90°	949.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1751	1751	1751	1751	1751	
5°	1692	1695	1696	1693	1688	157
15°	1263	1267	1275	1270	1261	347
25°	576	603	649	614	587	268
35°	160	164	170	165	160	107
45°	41	41	42	42	41	33
55°	6	8	11	8	6	7
65°	5	6	6	6	5	5
75°	4	4	4	4	4	4
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°	1751.1	1751.1	1751.1	1751.1	1751.1
2.5°	1729.2	1730.2	1731.8	1729.7	1724.6
5°	1692.0	1695.1	1696.1	1692.6	1688.5
7.5°	1630.9	1627.4	1630.4	1624.3	1619.2
10°	1531.1	1526.5	1525.0	1515.8	1515.8
12.5°	1407.8	1406.3	1407.3	1402.7	1395.6
15°	1263.2	1266.7	1274.9	1269.8	1261.1
17.5°	1109.9	1115.0	1122.1	1120.6	1108.8
20°	939.7	954.5	964.7	955.0	938.2
22.5°	746.2	777.8	803.7	783.4	755.9
25°	575.6	603.1	648.9	614.3	586.8
27.5°	436.5	456.4	498.1	464.0	445.2
30°	319.9	332.1	361.1	338.7	325.5
32.5°	228.7	237.4	249.6	236.3	229.7
35°	159.9	164.5	170.1	165.0	160.4
37.5°	112.6	114.1	118.2	114.1	112.1
40°	78.9	79.5	82.5	80.0	78.9
42.5°	57.0	57.0	58.6	57.6	57.0
45°	40.7	41.3	42.3	41.8	41.3
47.5°	29.0	30.1	30.1	30.6	28.5
50°	17.3	21.4	21.9	21.4	17.3
52.5°	9.2	12.7	15.8	12.7	9.2
55°	5.6	7.6	10.7	7.6	6.1
57.5°	5.6	5.6	7.1	6.1	5.6
60°	5.6	5.6	5.6	5.6	5.6
62.5°	5.6	5.6	5.6	5.6	5.6
65°	5.1	5.6	5.6	5.6	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	5.1	5.1	4.6	5.1	5.1
72.5°	4.6	4.6	4.1	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.5	2.5	2.0	2.5	2.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)