

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: P#

Luminaire Tested: **LD2B10D010 EU2B10WFL559040 2LBDSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14812)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10WFL559040 2LBDSQLC*MB
Description: 1000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

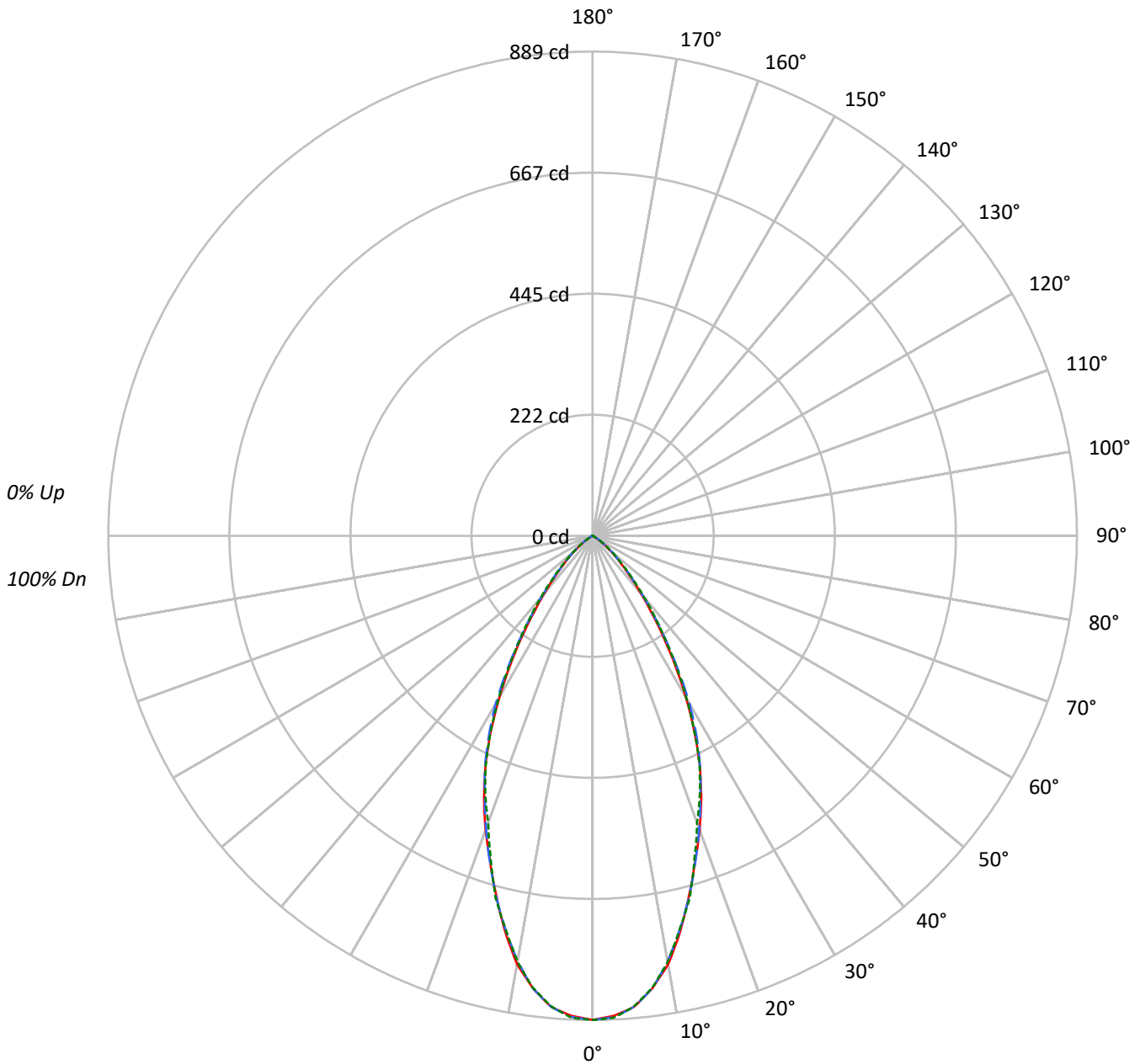
Lumens per Lamp: N/A
Luminaire Lumens: 715.1 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.76 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10.3
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86																			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74																			
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69																			
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64																			
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60																			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	63	58	54	62	58	54	62	57	54	53																			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	344351	344351	344351
5°	337773	337773	337345
10°	314185	311943	312415
15°	274171	274612	275975
20°	236729	235781	231123
25°	198650	199633	198180
30°	152921	158959	154397
35°	106678	110981	109893
40°	69577	72459	74734
45°	42618	45138	46946
50°	25129	27177	28563
55°	10670	13709	12966
60°	1782	3486	2634
65°	1008	1008	1008
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	11.3
10°-20°	190.5	26.6
20°-30°	211.1	29.5
30°-40°	146.9	20.5
40°-50°	66.1	9.2
50°-60°	18.7	2.6
60°-70°	1.3	0.2
70°-80°	0.0	0.0
80°-90°	0.0	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°	482.1	67.4
0°-40°	629.0	88.0
0°-60°	713.8	99.8
0°-90°	715.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	715.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	889	889	889	889	889	
5°	869	872	869	865	868	81
15°	684	687	685	684	688	191
25°	465	468	467	461	464	211
35°	226	232	235	235	232	142
45°	78	80	82	85	86	63
55°	16	18	20	20	19	16
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	889.0	889.0	889.0	889.0	889.0
2.5°	882.3	886.8	884.5	884.5	885.7
5°	868.7	872.1	868.7	865.4	867.6
7.5°	838.3	841.7	838.3	836.0	837.1
10°	798.8	796.5	793.1	790.9	794.3
12.5°	743.5	742.4	740.1	739.0	739.0
15°	683.7	687.1	684.8	683.7	688.2
17.5°	626.2	629.6	627.3	623.9	621.7
20°	574.3	575.4	572.0	566.4	560.7
22.5°	521.2	522.4	516.7	514.5	514.5
25°	464.8	468.2	467.1	461.4	463.7
27.5°	403.9	409.5	411.8	405.0	405.0
30°	341.9	346.4	355.4	346.4	345.2
32.5°	280.9	287.7	292.2	291.1	287.7
35°	225.6	232.4	234.7	234.7	232.4
37.5°	176.0	182.8	185.0	187.3	187.3
40°	137.6	141.0	143.3	146.7	147.8
42.5°	103.8	107.2	110.6	112.8	111.7
45°	77.8	80.1	82.4	84.6	85.7
47.5°	58.7	58.7	60.9	63.2	63.2
50°	41.7	44.0	45.1	46.3	47.4
52.5°	28.2	29.3	31.6	32.7	31.6
55°	15.8	18.1	20.3	20.3	19.2
57.5°	6.8	10.2	11.3	11.3	9.0
60°	2.3	4.5	4.5	5.6	3.4
62.5°	1.1	2.3	2.3	2.3	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)