

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: **LD2B15D010 EU2B15WFL559050 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: LD2B15D010 EU2B15WFL559050 2LBDSQLC*MB
Description: 1500 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: 989.5 lumens
Efficiency: N/A
Efficacy: 69.2 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

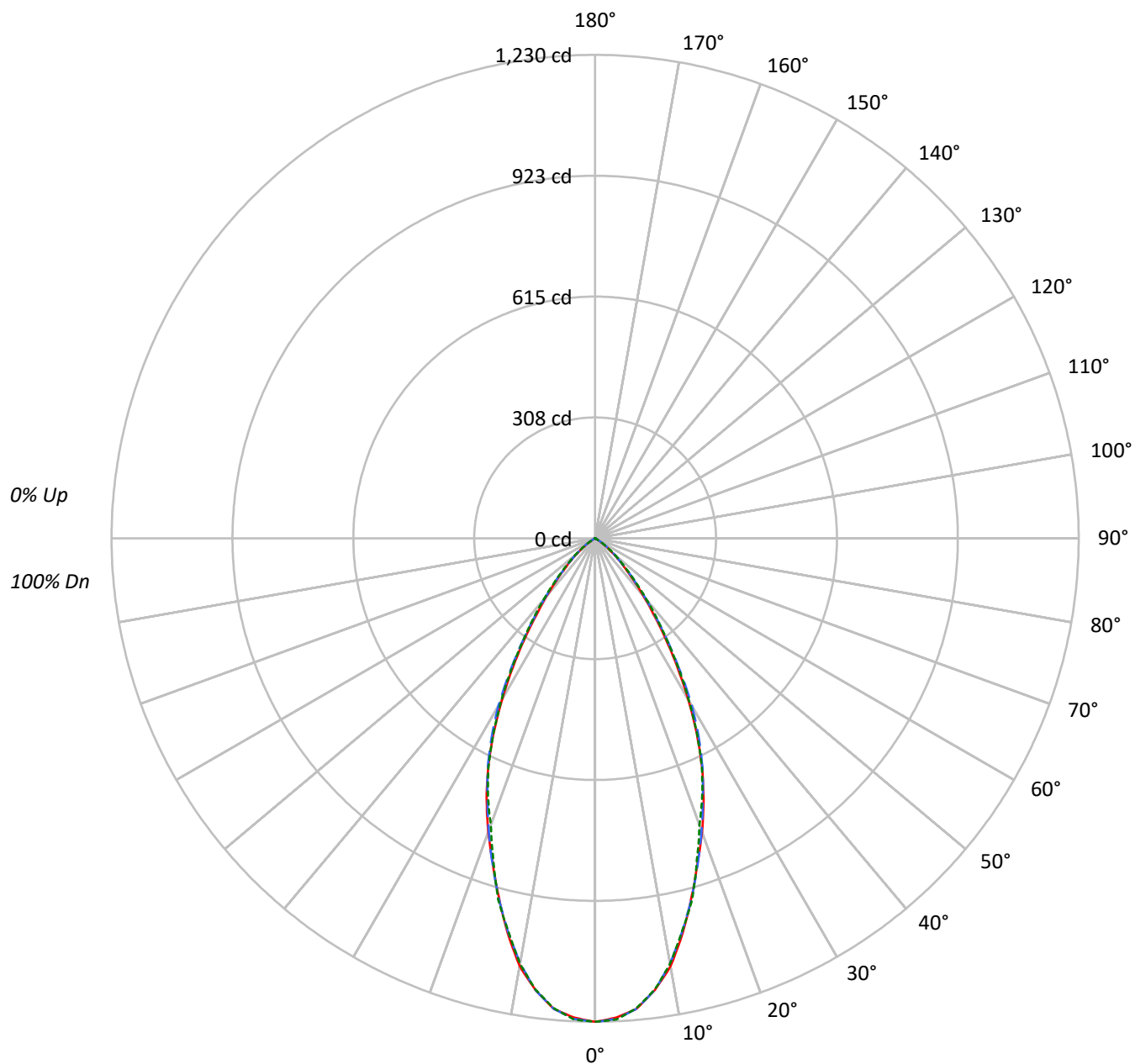
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	72	80	75	72		79	74	71		77
6	87	78	72	67	85	77	71	67	76	70	67		74	70	66		73
7	83	73	67	63	81	72	67	62	71	66	62		70	65	62		69
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	54		62	58	54		62
10	71	61	55	51	70	61	55	51	60	55	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	476513	476513	476513
5°	467407	467407	466785
10°	434738	431670	432300
15°	379396	379997	381882
20°	327538	326260	319830
25°	274897	276222	274213
30°	211558	219967	213660
35°	147628	153538	152072
40°	96325	100269	103404
45°	58997	62448	64968
50°	34830	37602	39531
55°	14789	18976	17896
60°	2402	4803	3641
65°	1466	1466	1466
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°	111.4	11.3
10°-20°	263.6	26.6
20°-30°	292.1	29.5
30°-40°	203.2	20.5
40°-50°	91.5	9.2
50°-60°	25.8	2.6
60°-70°	1.8	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°	667.1	67.4
0°-40°	870.4	88.0
0°-60°	987.7	99.8
0°-90°	989.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1202	1207	1202	1197	1200	112
15°	946	951	948	946	952	264
25°	643	648	646	638	642	292
35°	312	322	325	325	322	197
45°	108	111	114	117	119	87
55°	22	25	28	28	26	22
65°	2	2	2	2	2	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°	1230.2	1230.2	1230.2	1230.2	1230.2
2.5°	1220.8	1227.1	1224.0	1224.0	1225.5
5°	1202.1	1206.8	1202.1	1197.4	1200.5
7.5°	1159.9	1164.6	1159.9	1156.8	1158.4
10°	1105.3	1102.2	1097.5	1094.4	1099.1
12.5°	1028.8	1027.2	1024.1	1022.6	1022.6
15°	946.1	950.7	947.6	946.1	952.3
17.5°	866.4	871.1	868.0	863.3	860.2
20°	794.6	796.2	791.5	783.7	775.9
22.5°	721.3	722.8	715.0	711.9	711.9
25°	643.2	647.9	646.3	638.5	641.6
27.5°	558.9	566.7	569.8	560.5	560.5
30°	473.0	479.3	491.8	479.3	477.7
32.5°	388.7	398.1	404.3	402.8	398.1
35°	312.2	321.6	324.7	324.7	321.6
37.5°	243.5	252.9	256.0	259.2	259.2
40°	190.5	195.1	198.3	203.0	204.5
42.5°	143.6	148.3	153.0	156.1	154.6
45°	107.7	110.8	114.0	117.1	118.6
47.5°	81.2	81.2	84.3	87.4	87.4
50°	57.8	60.9	62.4	64.0	65.6
52.5°	39.0	40.6	43.7	45.3	43.7
55°	21.9	25.0	28.1	28.1	26.5
57.5°	9.4	14.1	15.6	15.6	12.5
60°	3.1	6.2	6.2	7.8	4.7
62.5°	1.6	3.1	3.1	3.1	1.6
65°	1.6	1.6	1.6	1.6	1.6
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)