

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: **LD2B20D010 EU2B20WFL559024 2LBDC*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20WFL559024 2LBDC*MW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1257.3 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

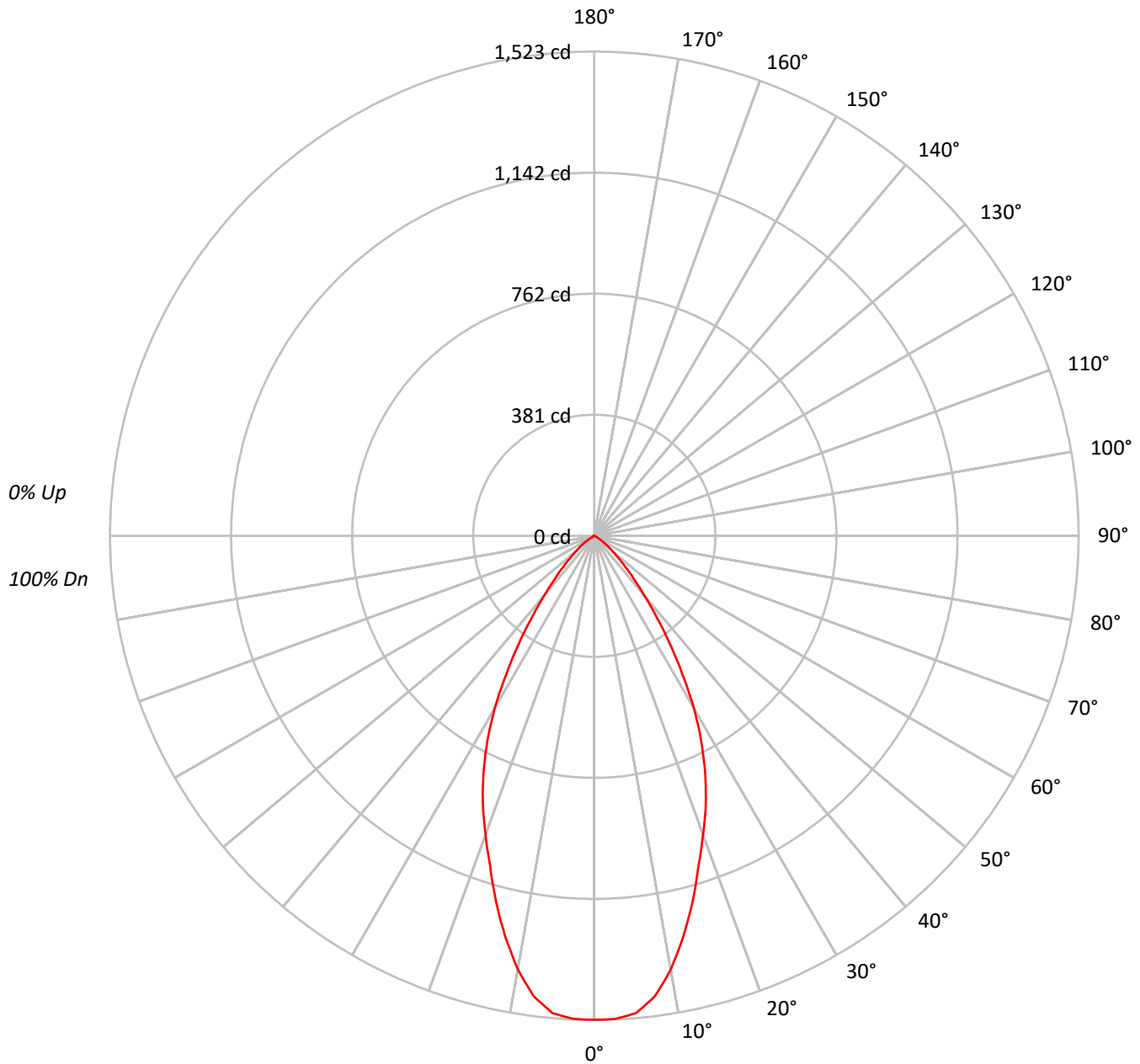
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL559024 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL559024 2LBDC*MW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	106		111	108	106	104		104	102	101		101	99	98		97	96	95
2	108	102	98	95		105	101	97	94		98	94	92		95	92	90		92	90	88
3	102	95	90	86		100	94	89	85		91	87	84		89	85	83		87	84	81
4	97	89	83	79		95	88	82	78		85	81	77		83	80	76		82	78	76
5	91	83	77	72		90	82	76	72		80	75	71		78	74	71		77	73	70
6	87	78	71	67		85	77	71	67		75	70	66		74	69	66		73	69	65
7	82	73	67	62		81	72	66	62		71	66	62		70	65	62		69	64	61
8	78	69	62	58		77	68	62	58		67	62	58		66	61	58		65	61	57
9	74	65	59	55		73	64	58	54		63	58	54		62	57	54		61	57	54
10	71	61	55	51		70	61	55	51		60	55	51		59	54	51		58	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	589773
5°	586038
10°	544790
15°	478285
20°	412287
25°	352553
30°	279811
35°	195056
40°	123377
45°	75321
50°	44532
55°	24379
60°	5345
65°	4766
70°	3851
75°	5088
80°	3792
85°	7555



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL559024 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	11.1
10°-20°	332.2	26.4
20°-30°	374.8	29.8
30°-40°	259.2	20.6
40°-50°	110.5	8.8
50°-60°	32.0	2.5
60°-70°	4.7	0.4
70°-80°	2.9	0.2
80°-90°	1.2	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°	846.8	67.4
0°-40°	1106.1	88.0
0°-60°	1248.5	99.3
0°-90°	1257.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1257.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1523	
5°	1507	140
15°	1193	332
25°	825	375
35°	412	259
45°	138	111
55°	36	32
65°	5	5
75°	3	3
85°	2	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL559024 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1522.6
2.5°	1520.9
5°	1507.2
7.5°	1460.8
10°	1385.1
12.5°	1292.3
15°	1192.7
17.5°	1089.6
20°	1000.2
22.5°	916.0
25°	824.9
27.5°	728.7
30°	625.6
32.5°	513.8
35°	412.5
37.5°	319.6
40°	244.0
42.5°	183.9
45°	137.5
47.5°	99.7
50°	73.9
52.5°	53.3
55°	36.1
57.5°	15.5
60°	6.9
62.5°	5.2
65°	5.2
67.5°	3.4
70°	3.4
72.5°	3.4
75°	3.4
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)