

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 2LBDLC*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 2LBDLC*MW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1138.6 lumens
Efficiency: N/A
Efficacy: 54.5 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

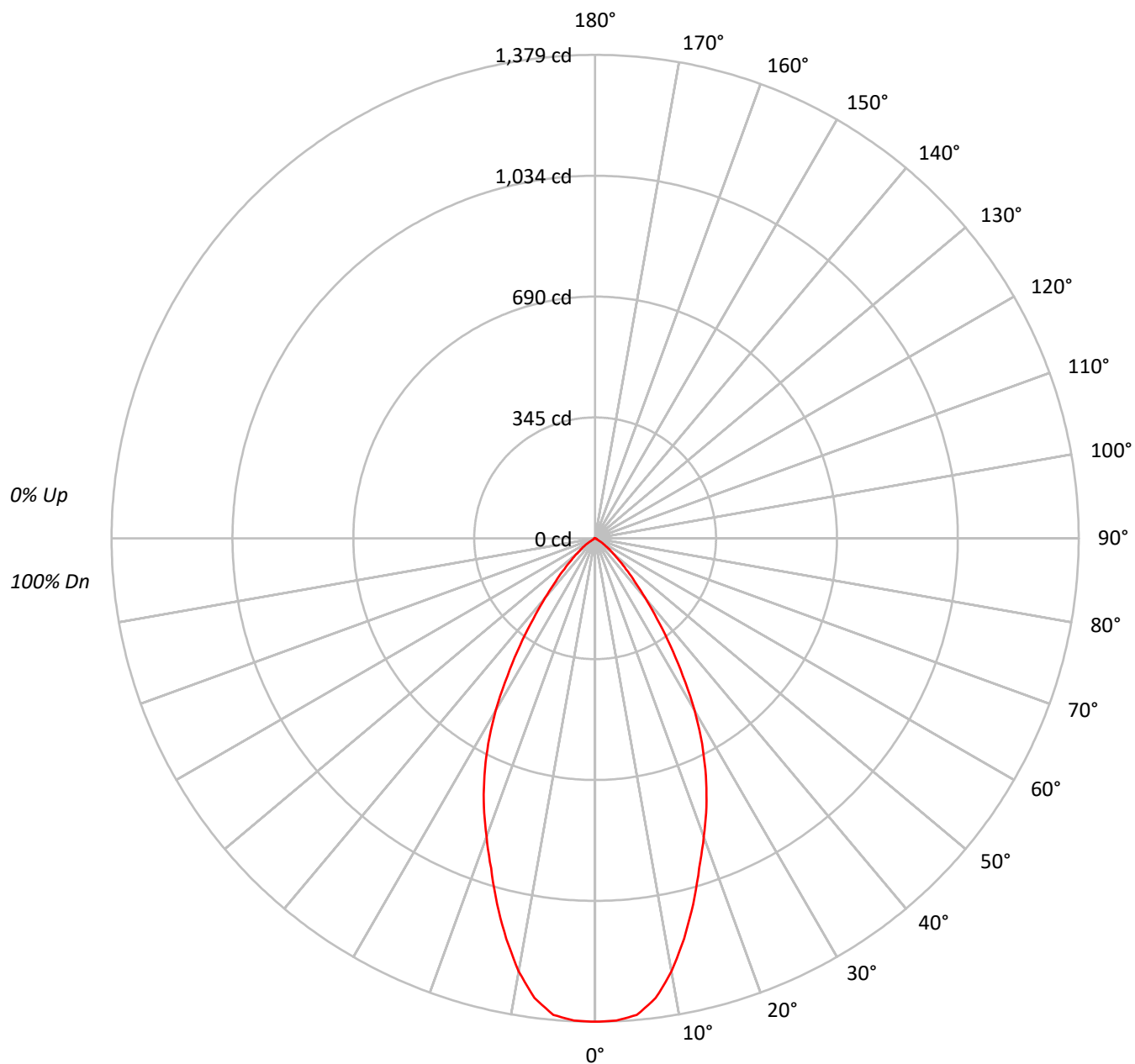
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL559024 2LBDLC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL559024 2LBDLC*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°	534111
5°	530708
10°	493382
15°	433131
20°	373375
25°	319260
30°	253378
35°	176614
40°	111747
45°	68200
50°	40314
55°	22083
60°	4803
65°	4308
70°	3511
75°	4639
80°	3569
85°	7111



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL559024 2LBDLC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	11.1
10°-20°	300.8	26.4
20°-30°	339.4	29.8
30°-40°	234.8	20.6
40°-50°	100.1	8.8
50°-60°	28.9	2.5
60°-70°	4.2	0.4
70°-80°	2.7	0.2
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°	766.9	67.3
0°-40°	1001.6	88.0
0°-60°	1130.6	99.3
0°-90°	1138.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1138.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1379	
5°	1365	127
15°	1080	301
25°	747	339
35°	374	235
45°	124	100
55°	33	29
65°	5	4
75°	3	3
85°	2	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL559024 2LBDLC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1378.9
2.5°	1377.3
5°	1364.9
7.5°	1322.9
10°	1254.4
12.5°	1170.3
15°	1080.1
17.5°	986.7
20°	905.8
22.5°	829.5
25°	747.0
27.5°	659.9
30°	566.5
32.5°	465.3
35°	373.5
37.5°	289.5
40°	221.0
42.5°	166.5
45°	124.5
47.5°	90.3
50°	66.9
52.5°	48.2
55°	32.7
57.5°	14.0
60°	6.2
62.5°	4.7
65°	4.7
67.5°	3.1
70°	3.1
72.5°	3.1
75°	3.1
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)