

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: P223077

Luminaire Tested: **LD2B20D010 EU2B20NFL258050 2LBDSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20NFL258050 2LBDSQLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1691.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

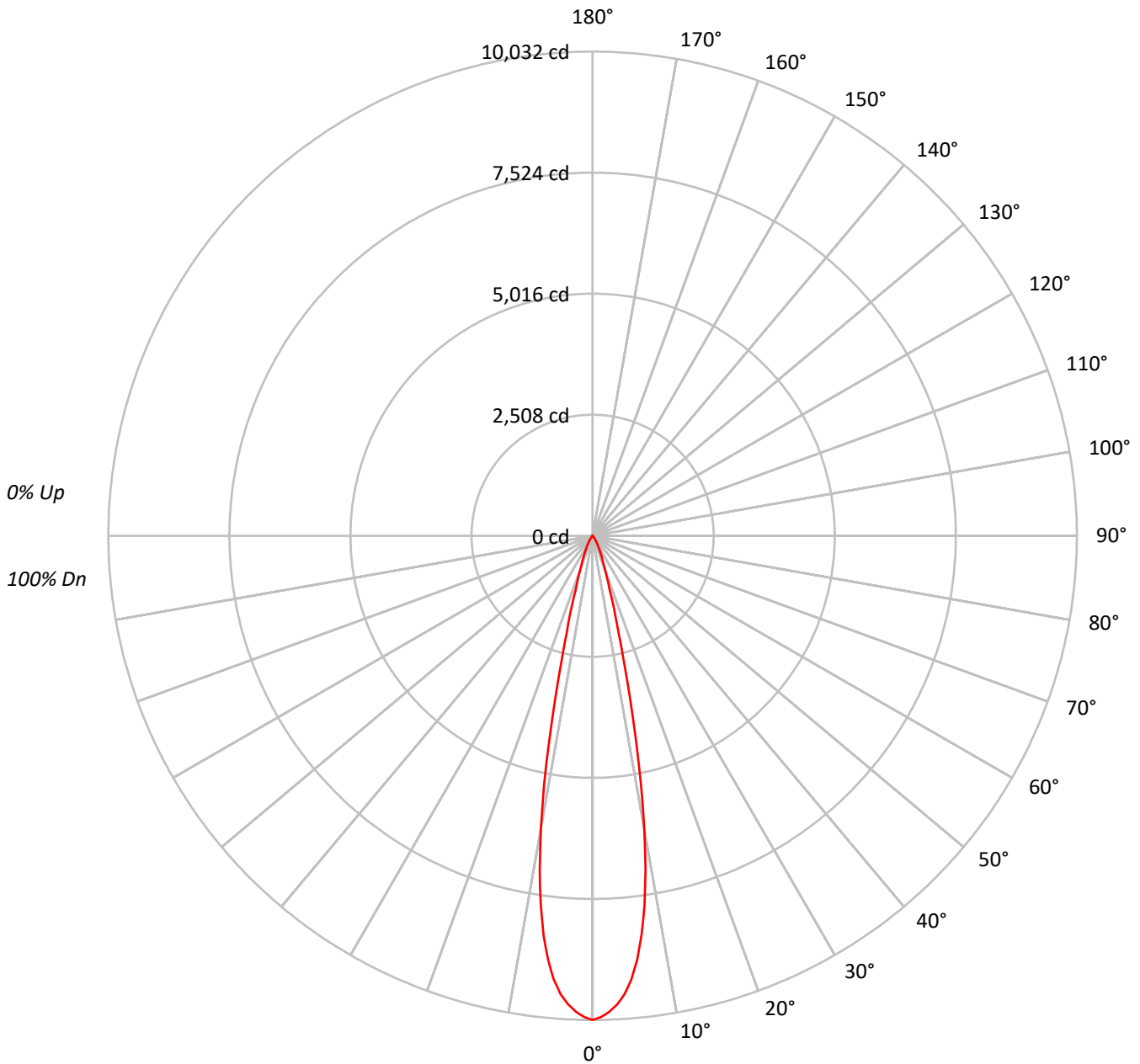
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P223077

CATALOG NUMBER: LD2B20D010 EU2B20NFL258050 2LBDSQLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P223077

CATALOG NUMBER: LD2B20D010 EU2B20NFL258050 2LBDSQLC*MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3885894
5°	3587927
10°	2428563
15°	826241
20°	303465
25°	160869
30°	82700
35°	38586
40°	12641
45°	6409
50°	3013
55°	1148
60°	1317
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P223077

CATALOG NUMBER: LD2B20D010 EU2B20NFL258050 2LBDSQLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	784.9	46.4
10°-20°	660.0	39.0
20°-30°	181.1	10.7
30°-40°	52.8	3.1
40°-50°	9.8	0.6
50°-60°	2.2	0.1
60°-70°	0.2	0.0
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°	1626.0	96.2
0°-40°	1678.8	99.3
0°-60°	1690.8	100.0
0°-90°	1691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1691.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10032	
5°	9228	785
15°	2060	660
25°	376	181
35°	82	53
45°	12	10
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P223077

CATALOG NUMBER: LD2B20D010 EU2B20NFL258050 2LBDSQLC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	10032.1
1°	9973.8
2°	9870.5
3°	9722.3
4°	9519.1
5°	9227.6
6°	8829.5
7°	8331.5
8°	7723.5
9°	7005.6
10°	6174.5
11°	5263.4
12°	4315.6
13°	3411.2
14°	2640.0
15°	2060.4
17.5°	1162.6
20°	736.2
22.5°	524.7
25°	376.4
27.5°	266.5
30°	184.9
32.5°	129.9
35°	81.6
37.5°	33.3
40°	25.0
42.5°	18.3
45°	11.7
47.5°	6.7
50°	5.0
52.5°	3.3
55°	1.7
57.5°	1.7
60°	1.7
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P223077

CATALOG NUMBER: LD2B20D010 EU2B20NFL258050 2LBDSQLC*MB

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)