

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: P265157

Luminaire Tested: **LD2B20D010 EU2B2010SP159050 2LBSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P265157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B2010SP159050 2LBSQLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1469.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

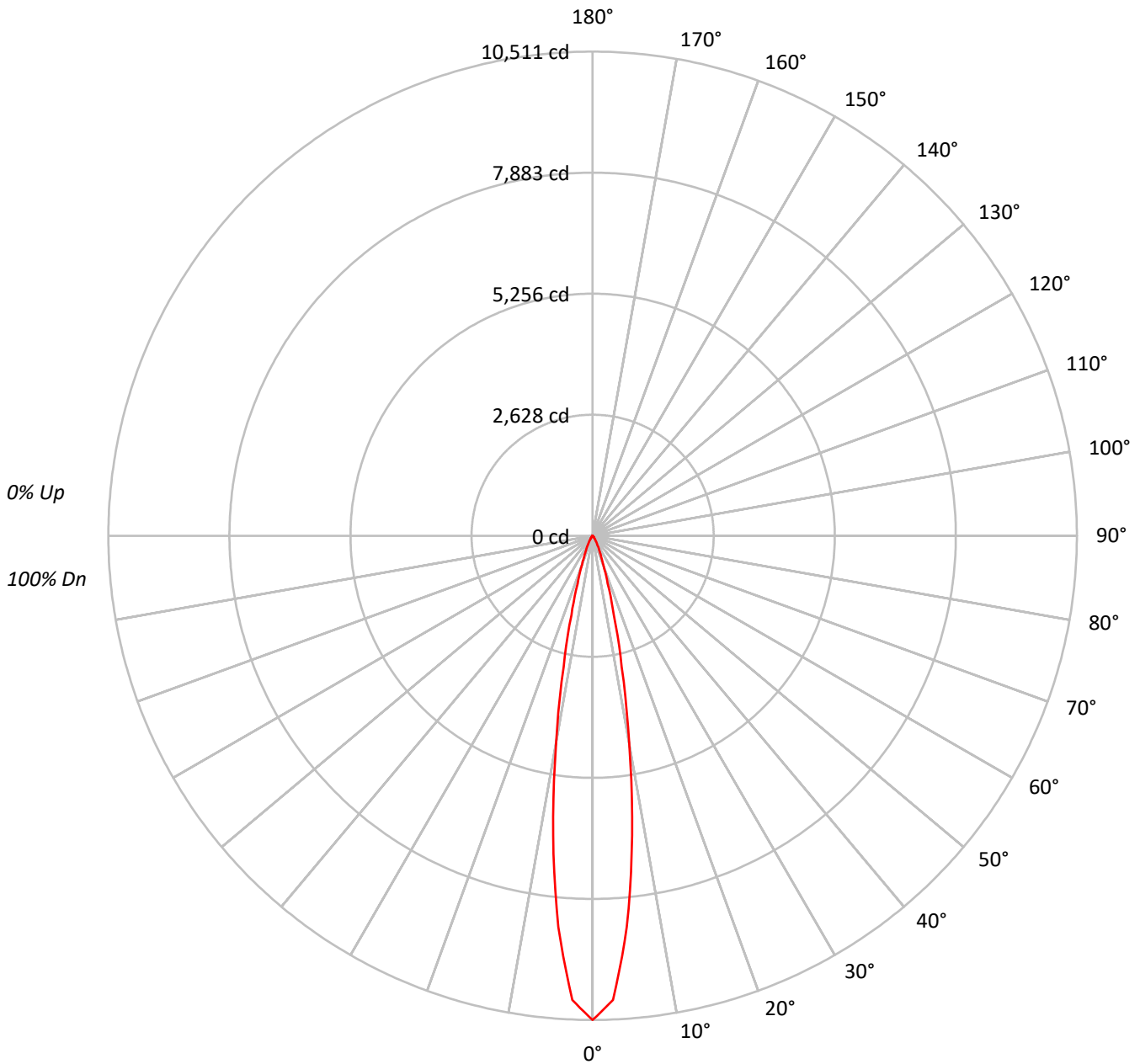
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P265157

CATALOG NUMBER: LD2B20D010 EU2B2010SP159050 2LBSQLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P265157

CATALOG NUMBER: LD2B20D010 EU2B2010SP159050 2LBSQLC*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	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5185874
5°	4220787
10°	2279977
15°	909061
20°	364525
25°	174578
30°	90523
35°	47821
40°	26534
45°	16396
50°	11283
55°	7569
60°	5822
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P265157

CATALOG NUMBER: LD2B20D010 EU2B2010SP159050 2LBSQLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.4	46.7
10°-20°	540.8	36.8
20°-30°	159.5	10.9
30°-40°	53.1	3.6
40°-50°	20.0	1.4
50°-60°	8.8	0.6
60°-70°	1.4	0.1
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°	1385.7	94.3
0°-40°	1438.8	97.9
0°-60°	1467.6	99.9
0°-90°	1469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1469.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10511	
5°	8523	685
15°	1780	541
25°	321	160
35°	79	53
45°	24	20
55°	9	9
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P265157

CATALOG NUMBER: LD2B20D010 EU2B2010SP159050 2LBSQLC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	10511.3
2.5°	10087.7
5°	8522.6
7.5°	6566.2
10°	4551.1
12.5°	2912.4
15°	1779.8
17.5°	1085.5
20°	694.3
22.5°	464.8
25°	320.7
27.5°	226.5
30°	158.9
32.5°	111.8
35°	79.4
37.5°	55.9
40°	41.2
42.5°	32.4
45°	23.5
47.5°	20.6
50°	14.7
52.5°	11.8
55°	8.8
57.5°	8.8
60°	5.9
62.5°	2.9
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)