

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: P264373

Luminaire Tested: **LD2B20D010 EU2B2010SP159035 2LBD*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B2010SP159035 2LBD*B
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1466.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

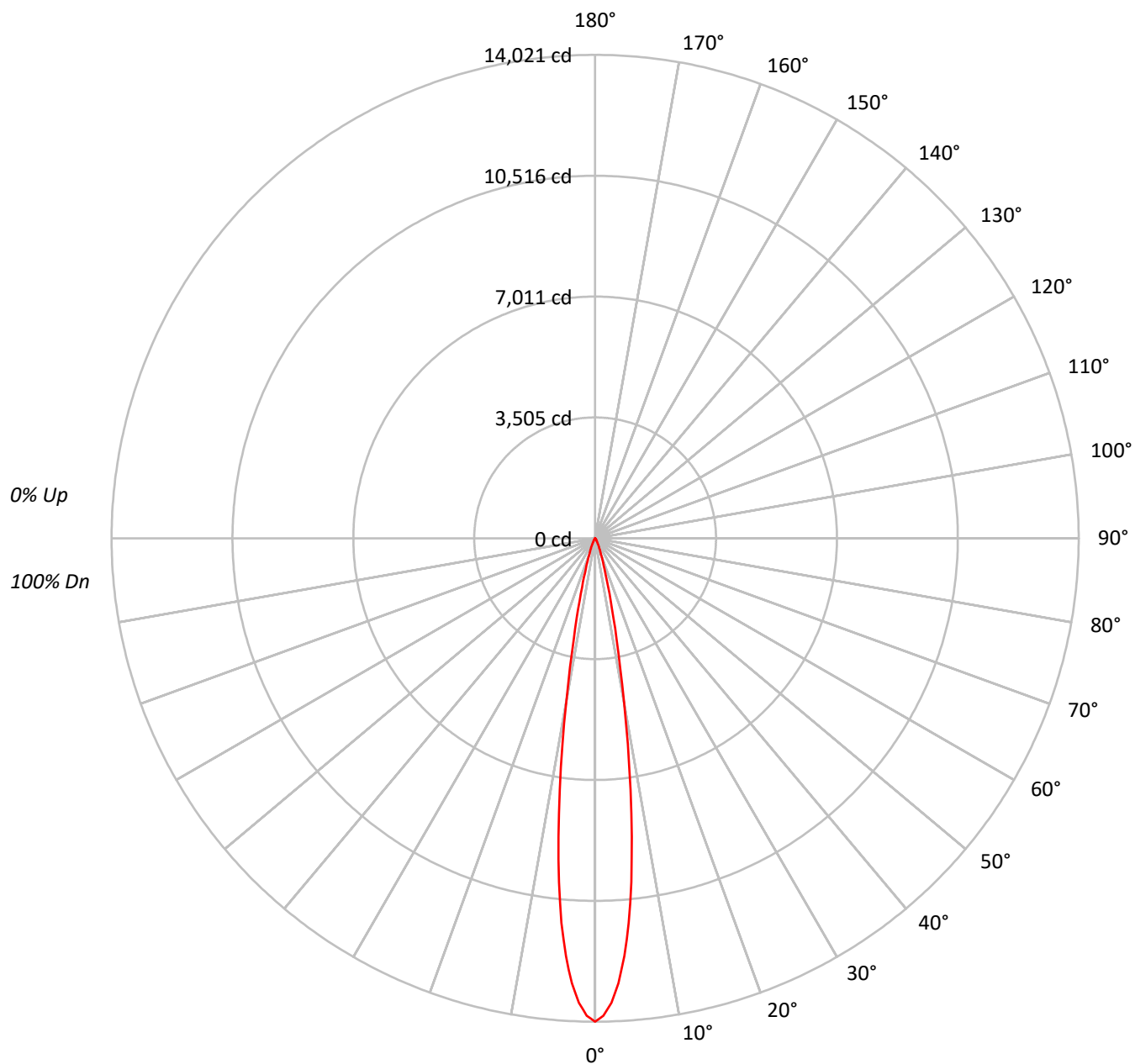
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264373

CATALOG NUMBER: LD2B20D010 EU2B2010SP159035 2LBD*B

Luminous Intensity Polar Plot





TEST NUMBER: P264373

CATALOG NUMBER: LD2B20D010 EU2B2010SP159035 2LBD*B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	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			100
1	116	114	112	111	113	112	110	109		108	107	106			104	103	102			98
2	113	109	107	105	111	108	106	104		105	103	101			102	101	99			96
3	110	106	103	100	108	105	102	100		102	100	98			100	98	97			94
4	107	103	99	97	106	102	99	96		100	97	95			98	96	94			92
5	105	100	97	94	104	99	96	94		98	95	93			96	94	92			90
6	103	98	94	92	102	97	94	91		96	93	91			95	92	90			89
7	101	95	92	90	100	95	92	89		94	91	89			93	90	89			87
8	99	93	90	88	98	93	90	88		92	89	87			91	89	87			86
9	97	92	88	86	96	91	88	86		91	88	86			90	87	86			85
10	95	90	87	85	95	90	87	85		89	86	85			89	86	84			83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6917475
5°	5544679
10°	2420049
15°	749957
20°	261462
25°	115460
30°	52297
35°	27163
40°	15521
45°	7326
50°	4605
55°	2580
60°	1480
65°	1751
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264373

CATALOG NUMBER: LD2B20D010 EU2B2010SP159035 2LBD*B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.2	58.0
10°-20°	465.6	31.8
20°-30°	106.1	7.2
30°-40°	30.5	2.1
40°-50°	9.4	0.6
50°-60°	2.8	0.2
60°-70°	1.3	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°	1421.9	97.0
0°-40°	1452.5	99.1
0°-60°	1464.7	99.9
0°-90°	1466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1466.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14021	
5°	11196	850
15°	1468	466
25°	212	106
35°	45	31
45°	10	9
55°	3	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264373

CATALOG NUMBER: LD2B20D010 EU2B2010SP159035 2LBD*B

CANDELA DISTRIBUTION (FULL):

0°	
0°	14021.1
1°	13846.6
2°	13484.0
3°	12921.4
4°	12148.1
5°	11195.8
6°	10028.4
7°	8724.1
8°	7362.6
9°	6044.7
10°	4830.7
11°	3803.2
12°	2993.8
13°	2355.9
14°	1861.0
15°	1468.3
16°	1158.4
17°	922.2
18°	741.7
19°	603.3
20°	498.0
22.5°	321.9
25°	212.1
26°	179.0
27°	151.9
28°	127.9
29°	106.8
30°	91.8
32.5°	63.2
35°	45.1
37.5°	33.1
40°	24.1
42.5°	16.5
45°	10.5
47.5°	7.5
50°	6.0
52.5°	4.5
55°	3.0
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.5



TEST NUMBER: P264373

CATALOG NUMBER: LD2B20D010 EU2B2010SP159035 2LBD*B

CANDELA DISTRIBUTION (continued):

	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°







70°	0.0
72.5°	0.0



(END OF REPORT)