

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: P264575

Luminaire Tested: **LD2B20D010 EU2B2010SP159730 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264575
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 EU2B2010SP159730 2LBD*LI
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1295.0 lumens
Efficiency: N/A
Efficacy: 62.0 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

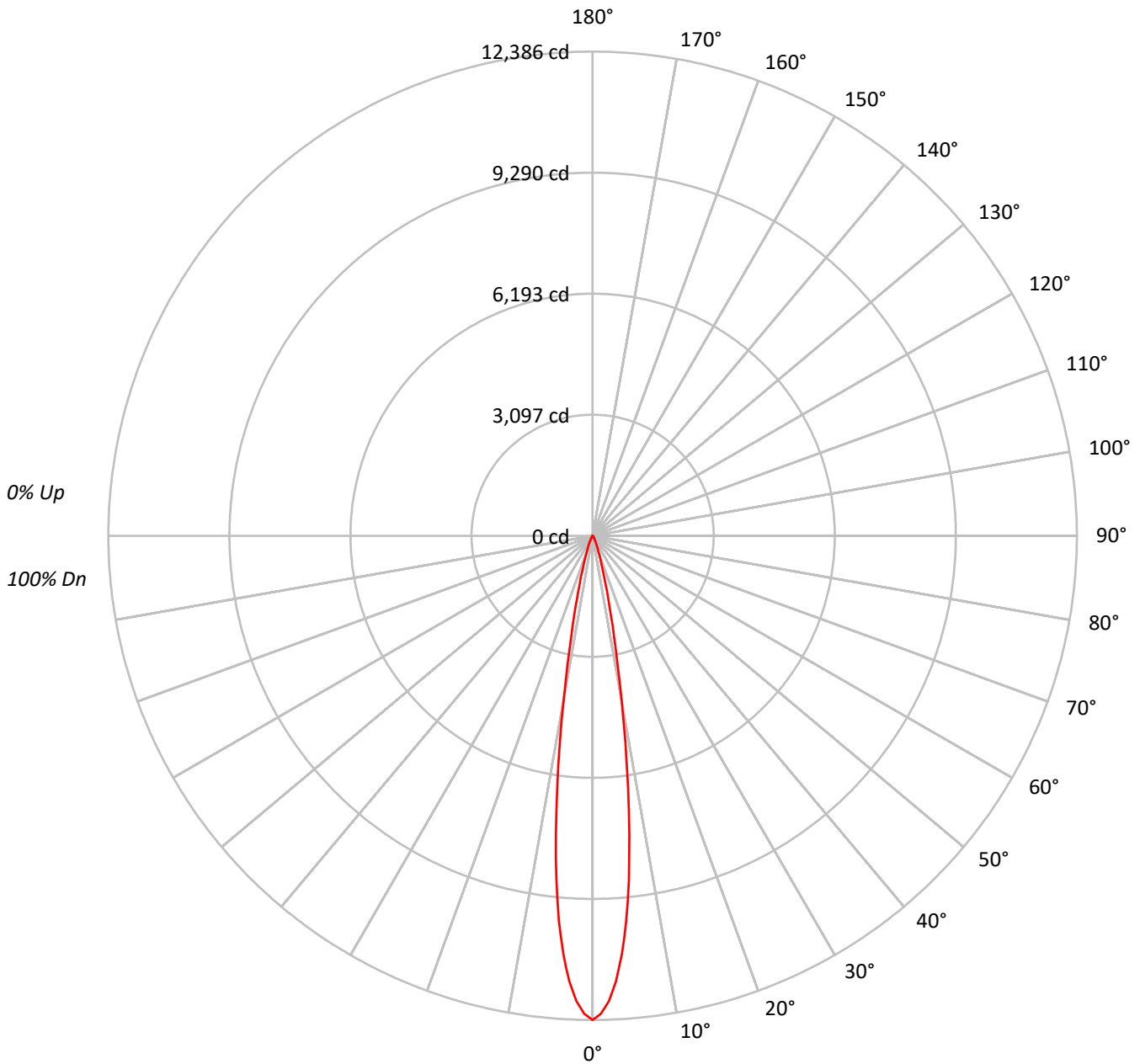
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264575

CATALOG NUMBER: LD2B20D010 EU2B2010SP159730 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P264575

CATALOG NUMBER: LD2B20D010 EU2B2010SP159730 2LBD*LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6110582
5°	4897937
10°	2137751
15°	662463
20°	230958
25°	102014
30°	46201
35°	24031
40°	13718
45°	6489
50°	4068
55°	2322
60°	1283
65°	1518
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264575

CATALOG NUMBER: LD2B20D010 EU2B2010SP159730 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.0	58.0
10°-20°	411.3	31.8
20°-30°	93.8	7.2
30°-40°	27.0	2.1
40°-50°	8.3	0.6
50°-60°	2.5	0.2
60°-70°	1.1	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°	1256.1	97.0
0°-40°	1283.0	99.1
0°-60°	1293.8	99.9
0°-90°	1295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12386	
5°	9890	751
15°	1297	411
25°	187	94
35°	40	27
45°	9	8
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264575

CATALOG NUMBER: LD2B20D010 EU2B2010SP159730 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	12385.6
1°	12231.5
2°	11911.2
3°	11414.2
4°	10731.1
5°	9889.9
6°	8858.7
7°	7706.5
8°	6503.8
9°	5339.6
10°	4267.2
11°	3359.5
12°	2644.6
13°	2081.1
14°	1643.9
15°	1297.0
16°	1023.3
17°	814.6
18°	655.2
19°	532.9
20°	439.9
22.5°	284.4
25°	187.4
26°	158.1
27°	134.2
28°	113.0
29°	94.4
30°	81.1
32.5°	55.8
35°	39.9
37.5°	29.2
40°	21.3
42.5°	14.6
45°	9.3
47.5°	6.6
50°	5.3
52.5°	4.0
55°	2.7
57.5°	1.3
60°	1.3
62.5°	1.3
65°	1.3
67.5°	1.3



TEST NUMBER: P264575

CATALOG NUMBER: LD2B20D010 EU2B2010SP159730 2LBD*LI

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)