

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: P264267

Luminaire Tested: **LD2B20D010 EU2B2010SP159027 2LBD\*WH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264267  
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 EU2B2010SP159027 2LBD\*WH  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1352.0 lumens  
Efficiency: N/A  
Efficacy: 64.7 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

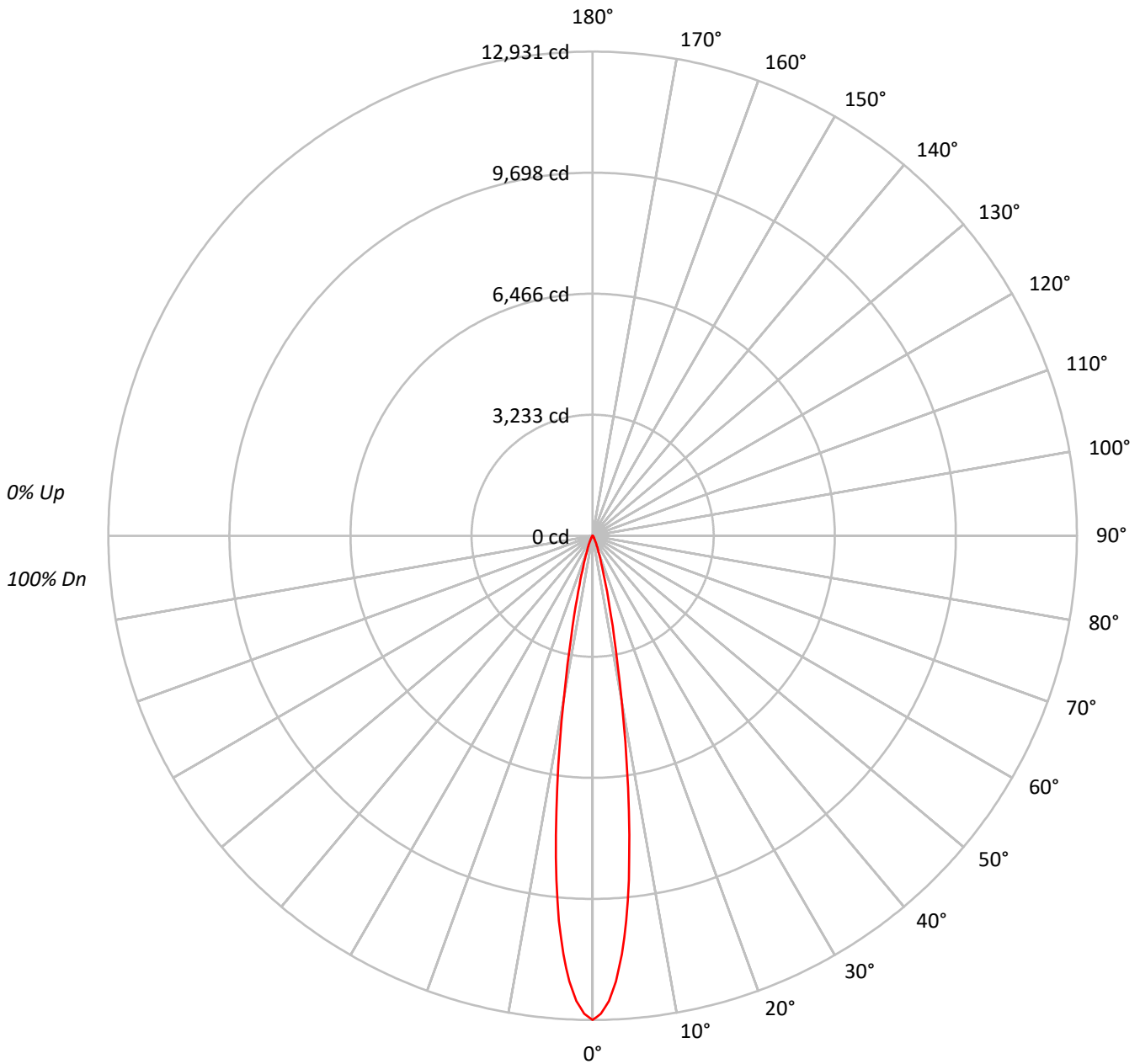
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P264267

CATALOG NUMBER: LD2B20D010 EU2B2010SP159027 2LBD\*WH

### Luminous Intensity Polar Plot





TEST NUMBER: P264267

CATALOG NUMBER: LD2B20D010 EU2B2010SP159027 2LBD\*WH

**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	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°	6379563
5°	5113518
10°	2231833
15°	691628
20°	241091
25°	106478
30°	48195
35°	25055
40°	14298
45°	6768
50°	4221
55°	2408
60°	1381
65°	1634
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264267

CATALOG NUMBER: LD2B20D010 EU2B2010SP159027 2LBD\*WH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	784.1	58.0
10°-20°	429.4	31.8
20°-30°	97.9	7.2
30°-40°	28.1	2.1
40°-50°	8.7	0.6
50°-60°	2.6	0.2
60°-70°	1.2	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°	1311.4	97.0
0°-40°	1339.5	99.1
0°-60°	1350.8	99.9
0°-90°	1352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1352.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12931	
5°	10325	784
15°	1354	429
25°	196	98
35°	42	28
45°	10	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264267

CATALOG NUMBER: LD2B20D010 EU2B2010SP159027 2LBD\*WH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12930.8
1°	12769.9
2°	12435.5
3°	11916.6
4°	11203.5
5°	10325.2
6°	9248.6
7°	8045.7
8°	6790.1
9°	5574.7
10°	4455.0
11°	3507.4
12°	2761.0
13°	2172.7
14°	1716.2
15°	1354.1
16°	1068.3
17°	850.5
18°	684.0
19°	556.4
20°	459.2
22.5°	296.9
25°	195.6
26°	165.1
27°	140.1
28°	117.9
29°	98.5
30°	84.6
32.5°	58.3
35°	41.6
37.5°	30.5
40°	22.2
42.5°	15.3
45°	9.7
47.5°	6.9
50°	5.5
52.5°	4.2
55°	2.8
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4



TEST NUMBER: P264267

CATALOG NUMBER: LD2B20D010 EU2B2010SP159027 2LBD\*WH

**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)