

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: P264089

Luminaire Tested: **LD2B10D010 EU2B1010SP158040 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264089
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: LD2B10D010 EU2B1010SP158040 2LBDC*MW
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1015.0 lumens
Efficiency: N/A
Efficacy: 98.5 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

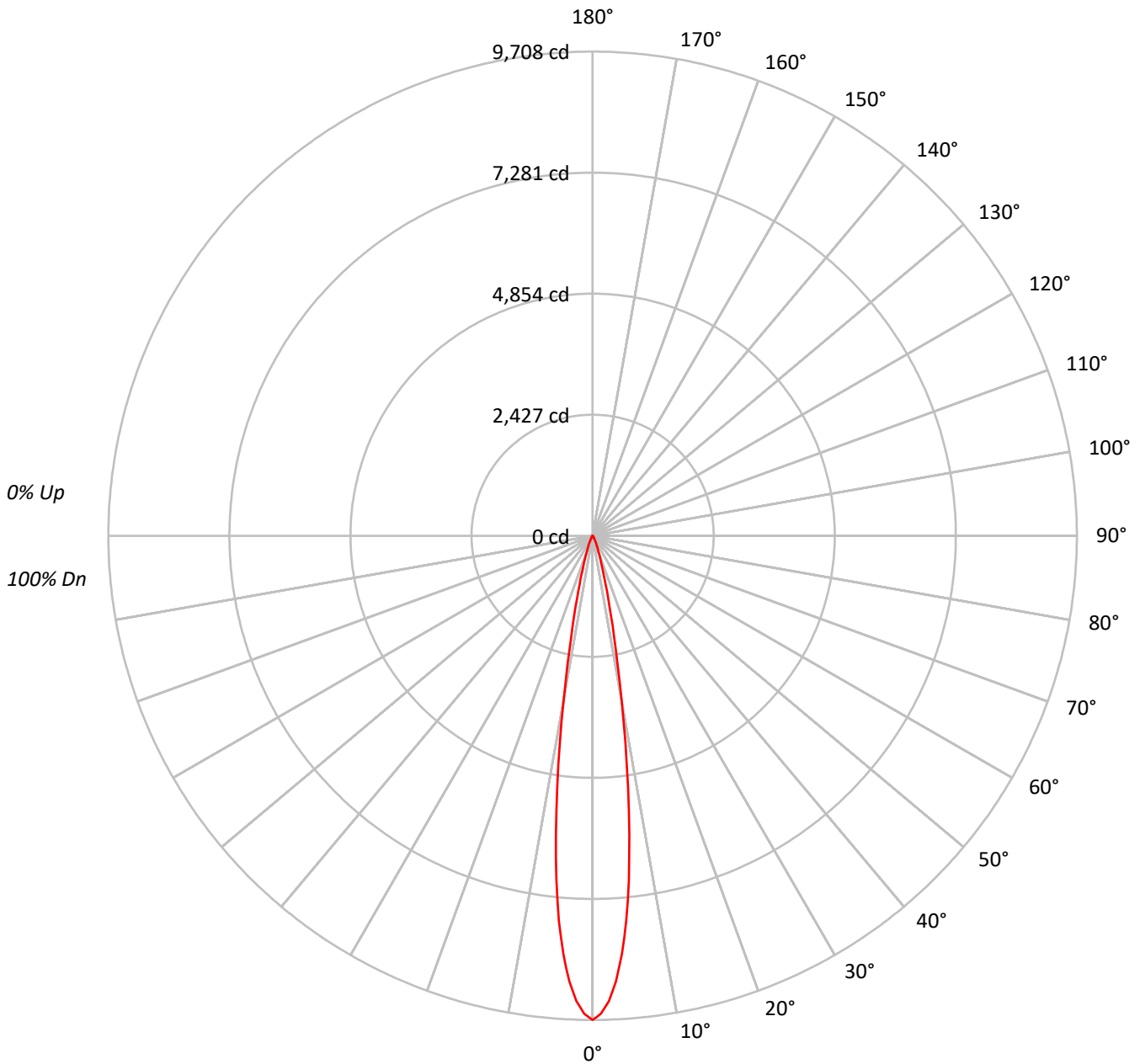
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264089

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P264089

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDC*MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4789408
5°	3838902
10°	1675553
15°	519244
20°	181028
25°	79967
30°	36175
35°	18791
40°	10755
45°	5093
50°	3224
55°	1806
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264089

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.6	58.0
10°-20°	322.4	31.8
20°-30°	73.5	7.2
30°-40°	21.1	2.1
40°-50°	6.5	0.6
50°-60°	1.9	0.2
60°-70°	0.9	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°	984.5	97.0
0°-40°	1005.6	99.1
0°-60°	1014.1	99.9
0°-90°	1015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9708	
5°	7752	589
15°	1017	322
25°	147	73
35°	31	21
45°	7	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264089

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9707.7
1°	9586.8
2°	9335.8
3°	8946.3
4°	8410.9
5°	7751.5
6°	6943.3
7°	6040.2
8°	5097.6
9°	4185.1
10°	3344.6
11°	2633.2
12°	2072.8
13°	1631.1
14°	1288.5
15°	1016.6
16°	802.0
17°	638.5
18°	513.5
19°	417.7
20°	344.8
22.5°	222.9
25°	146.9
26°	123.9
27°	105.2
28°	88.5
29°	74.0
30°	63.5
32.5°	43.7
35°	31.2
37.5°	22.9
40°	16.7
42.5°	11.5
45°	7.3
47.5°	5.2
50°	4.2
52.5°	3.1
55°	2.1
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0



TEST NUMBER: P264089

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDC*MW

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)