

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: P#

Luminaire Tested: **LD2B20D010 EU2B20WFL558027 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14811)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20WFL558027 2LBDLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1550.5 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

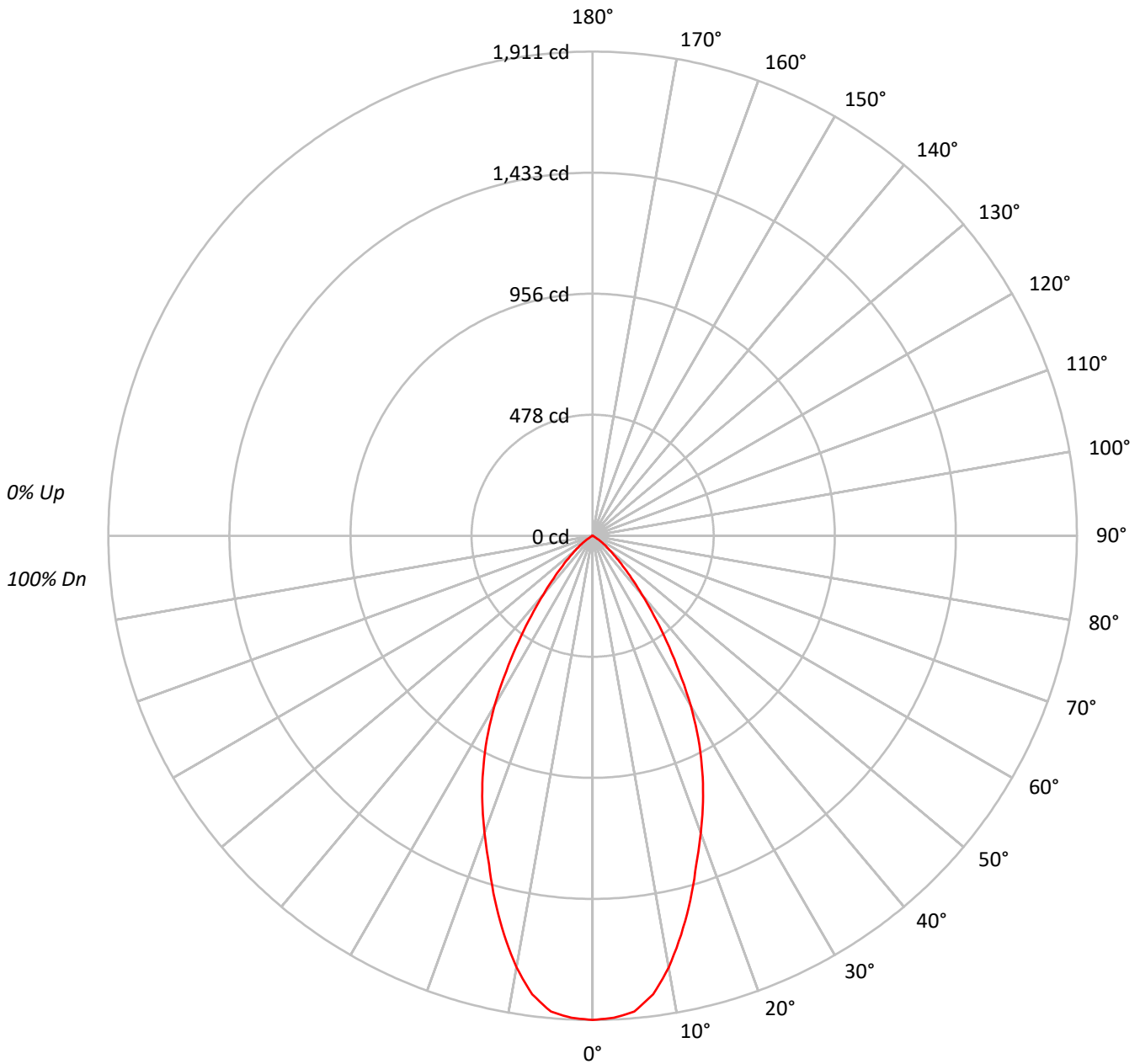
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL558027 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL558027 2LBDLC*MMS

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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	84	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74			
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	62	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	740218
5°	733131
10°	680485
15°	597385
20°	514061
25°	437475
30°	346454
35°	240498
40°	152806
45°	92083
50°	52607
55°	28769
60°	3331
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL558027 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.9	11.3
10°-20°	414.6	26.7
20°-30°	465.4	30.0
30°-40°	320.8	20.7
40°-50°	135.6	8.7
50°-60°	38.2	2.5
60°-70°	1.0	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°	1055.0	68.0
0°-40°	1375.7	88.7
0°-60°	1549.5	99.9
0°-90°	1550.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1550.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1911	
5°	1886	175
15°	1490	415
25°	1024	465
35°	509	321
45°	168	136
55°	43	38
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL558027 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	1911.0
2.5°	1904.6
5°	1885.5
7.5°	1825.9
10°	1730.1
12.5°	1613.1
15°	1489.7
17.5°	1359.8
20°	1247.1
22.5°	1138.5
25°	1023.6
27.5°	904.4
30°	774.6
32.5°	634.2
35°	508.6
37.5°	398.0
40°	302.2
42.5°	227.7
45°	168.1
47.5°	121.3
50°	87.3
52.5°	63.8
55°	42.6
57.5°	21.3
60°	4.3
62.5°	2.1
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)