

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 EU2B20WFL558035 2LBDC*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 EU2B20WFL558035 2LBDC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1766.1 lumens
Efficiency: N/A
Efficacy: 84.5 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

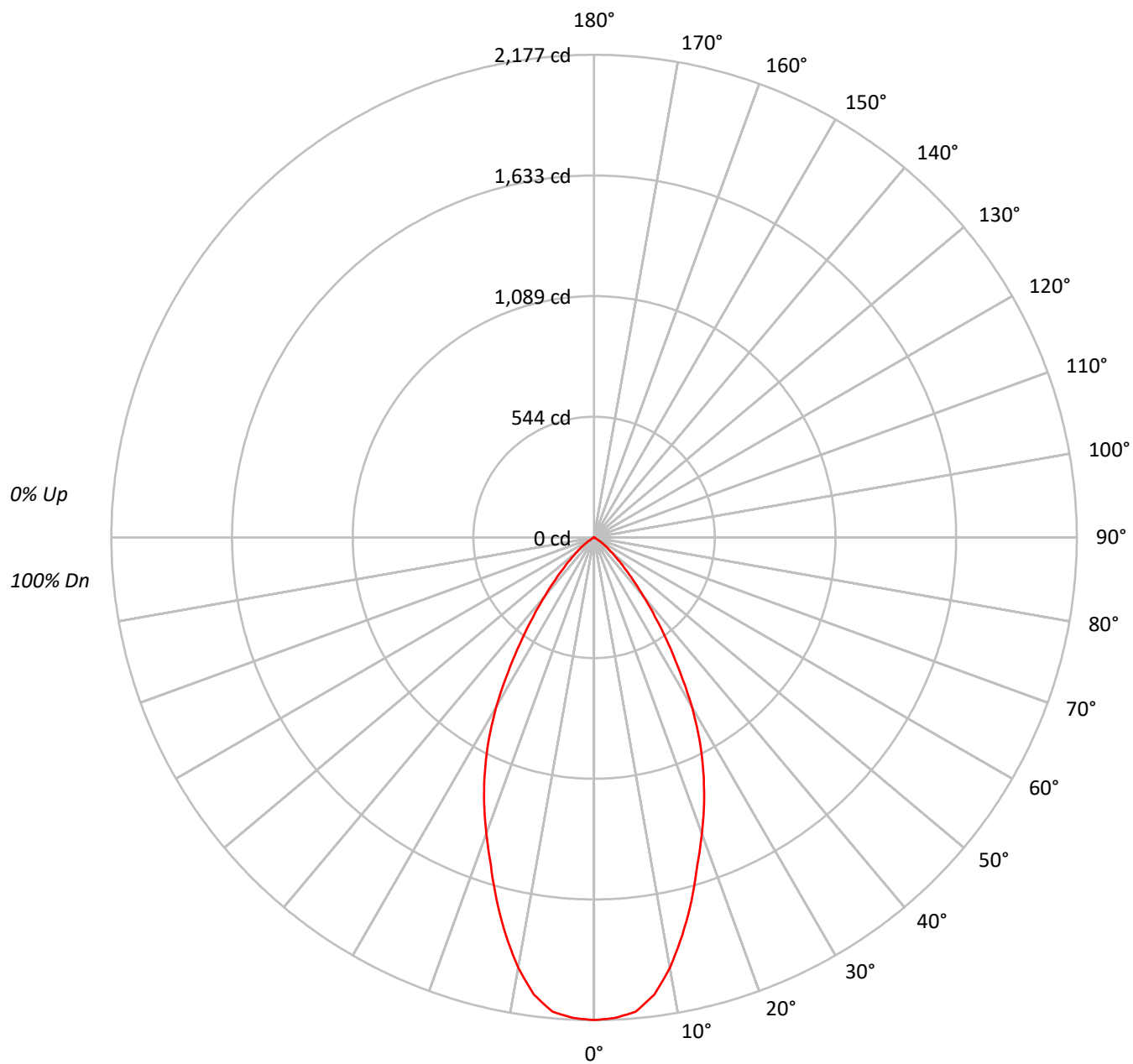
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL558035 2LBDC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL558035 2LBDC*MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	84		89	86	83		87
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77
6	87	78	72	68	86	77	72	67	76	71	67		74	70	66		73
7	83	73	67	63	81	73	67	63	71	66	62		70	65	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	62	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	843136
5°	835081
10°	775119
15°	680434
20°	585537
25°	498293
30°	394625
35°	273929
40°	174043
45°	104902
50°	59899
55°	32753
60°	3719
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL558035 2LBDC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.2	11.3
10°-20°	472.3	26.7
20°-30°	530.2	30.0
30°-40°	365.3	20.7
40°-50°	154.4	8.7
50°-60°	43.5	2.5
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°	1201.7	68.0
0°-40°	1567.0	88.7
0°-60°	1764.9	99.9
0°-90°	1766.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1766.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2177	
5°	2148	199
15°	1697	472
25°	1166	530
35°	579	365
45°	192	154
55°	48	43
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B20WFL558035 2LBDC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2176.7
2.5°	2169.5
5°	2147.7
7.5°	2079.8
10°	1970.7
12.5°	1837.4
15°	1696.8
17.5°	1548.9
20°	1420.5
22.5°	1296.8
25°	1165.9
27.5°	1030.2
30°	882.3
32.5°	722.4
35°	579.3
37.5°	453.3
40°	344.2
42.5°	259.4
45°	191.5
47.5°	138.2
50°	99.4
52.5°	72.7
55°	48.5
57.5°	24.2
60°	4.8
62.5°	2.4
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)