

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 EU2B20WFL559024 2LBDSQC*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20WFL559024 2LBDSQC*MW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1216.2 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

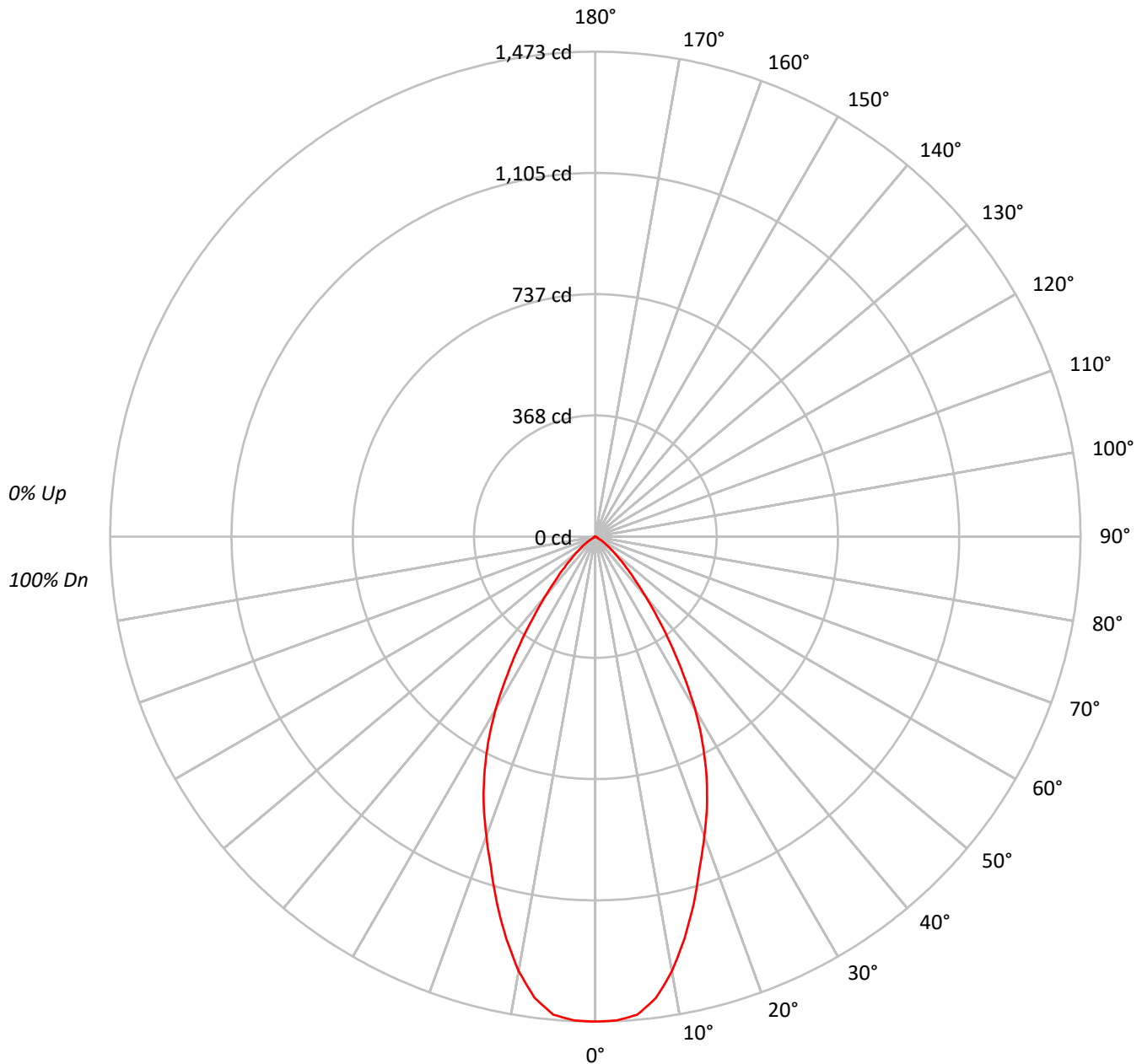
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	570522
5°	566869
10°	527011
15°	462645
20°	398808
25°	341014
30°	270642
35°	188672
40°	119383
45°	72856
50°	43086
55°	23569
60°	5113
65°	4583
70°	3737
75°	4939
80°	3792
85°	7555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.3	11.1
10°-20°	321.3	26.4
20°-30°	362.5	29.8
30°-40°	250.8	20.6
40°-50°	106.9	8.8
50°-60°	30.9	2.5
60°-70°	4.5	0.4
70°-80°	2.8	0.2
80°-90°	1.2	0.1
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°	819.1	67.3
0°-40°	1069.9	88.0
0°-60°	1207.7	99.3
0°-90°	1216.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1216.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1473	
5°	1458	135
15°	1154	321
25°	798	362
35°	399	251
45°	133	107
55°	35	31
65°	5	5
75°	3	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1472.9
2.5°	1471.2
5°	1457.9
7.5°	1413.0
10°	1339.9
12.5°	1250.1
15°	1153.7
17.5°	1053.9
20°	967.5
22.5°	886.0
25°	797.9
27.5°	704.8
30°	605.1
32.5°	497.0
35°	399.0
37.5°	309.2
40°	236.1
42.5°	177.9
45°	133.0
47.5°	96.4
50°	71.5
52.5°	51.5
55°	34.9
57.5°	15.0
60°	6.6
62.5°	5.0
65°	5.0
67.5°	3.3
70°	3.3
72.5°	3.3
75°	3.3
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)