

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: P225471

Luminaire Tested: **LD2B20D010 EU2B20FL409024 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL409024 2LBDLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1221.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

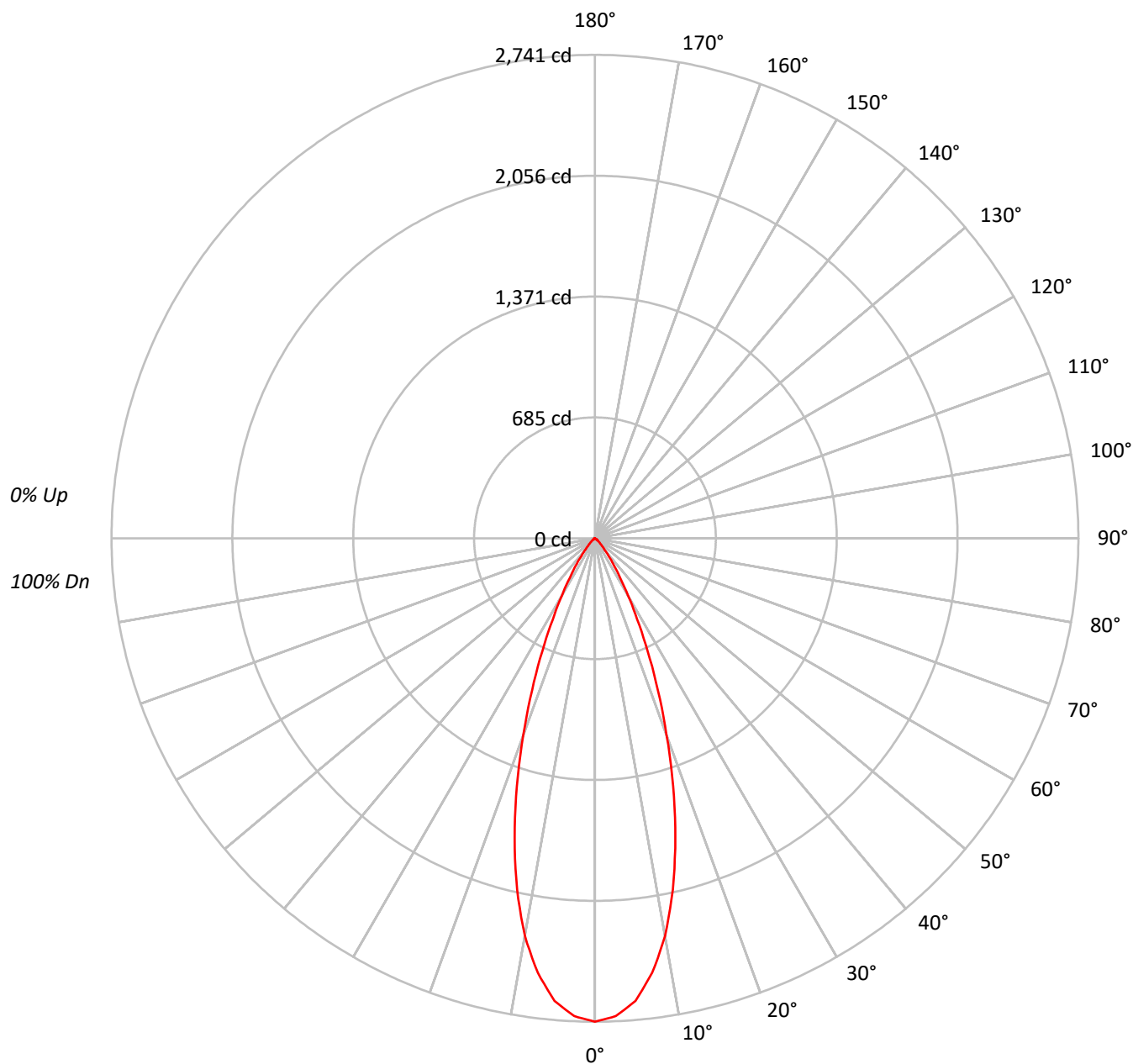
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	105	102	99		107	104	101	98		101	98	96		98	96	94		95	93	92
3	105	100	95	92		103	98	94	91		96	92	90		93	91	88		91	89	87
4	101	94	90	86		99	93	89	86		91	87	85		89	86	84		88	85	83
5	97	90	85	81		95	89	84	81		87	83	80		85	82	79		84	81	79
6	93	85	80	77		92	85	80	76		83	79	76		82	78	75		81	77	75
7	89	81	76	73		88	81	76	73		80	75	72		79	75	72		78	74	72
8	86	78	73	69		85	77	73	69		76	72	69		75	72	69		75	71	68
9	83	75	70	66		82	74	69	66		73	69	66		72	69	66		72	68	65
10	80	72	67	63		79	71	66	63		70	66	63		70	66	63		69	65	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1061715
5°	1023700
10°	900352
15°	705698
20°	488793
25°	301138
30°	167547
35°	89371
40°	44294
45°	22569
50°	12414
55°	8104
60°	4028
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.1	19.7
10°-20°	480.7	39.4
20°-30°	328.4	26.9
30°-40°	125.2	10.3
40°-50°	34.7	2.8
50°-60°	10.9	0.9
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°	1049.2	85.9
0°-40°	1174.3	96.2
0°-60°	1219.9	99.9
0°-90°	1221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2741	
5°	2633	240
15°	1760	481
25°	705	328
35°	189	125
45°	41	35
55°	12	11
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2741.0
2.5°	2711.8
5°	2632.8
7.5°	2485.0
10°	2289.1
12.5°	2039.9
15°	1759.8
17.5°	1472.8
20°	1185.8
22.5°	931.4
25°	704.6
27.5°	517.3
30°	374.6
32.5°	266.4
35°	189.0
37.5°	132.3
40°	87.6
42.5°	58.4
45°	41.2
47.5°	29.2
50°	20.6
52.5°	15.5
55°	12.0
57.5°	8.6
60°	5.2
62.5°	1.7
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



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— 0°-180°







(END OF REPORT)