

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: P225468

Luminaire Tested: **LD2B20D010 EU2B20FL408035 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225468
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 EU2B20FL408035 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: 1720.1 lumens
Efficiency: N/A
Efficacy: 82.3 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

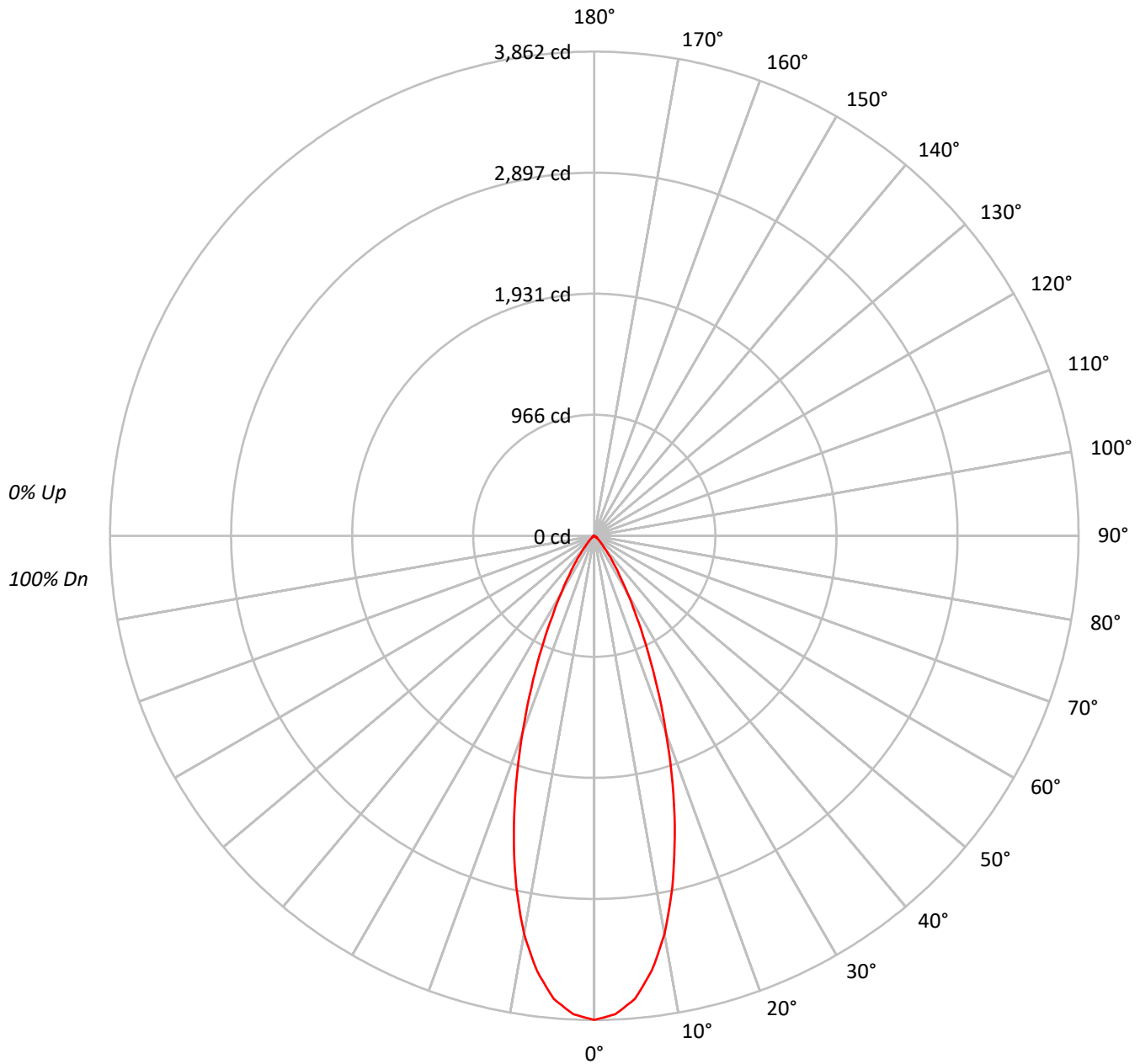
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	105	102	99		107	104	101	98		101	98	96			98	96	94			90
3	105	100	95	92		103	98	94	91		96	92	90			93	91	88			86
4	101	94	90	86		99	93	89	86		91	87	85			89	86	84			81
5	97	90	85	81		95	89	84	81		87	83	80			85	82	79			77
6	93	85	80	77		92	85	80	76		83	79	76			82	78	75			74
7	89	81	76	73		88	81	76	73		80	75	72			79	75	72			70
8	86	78	73	69		85	77	73	69		76	72	69			75	72	69			67
9	83	75	70	66		82	74	69	66		73	69	66			72	69	66			64
10	80	72	67	63		79	71	66	63		70	66	63			70	66	63			62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1495737
5°	1442154
10°	1268383
15°	994144
20°	688588
25°	424226
30°	236068
35°	125923
40°	62447
45°	31827
50°	17536
55°	11413
60°	5655
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.3	19.7
10°-20°	677.1	39.4
20°-30°	462.6	26.9
30°-40°	176.4	10.3
40°-50°	49.0	2.8
50°-60°	15.3	0.9
60°-70°	1.5	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°	1478.0	85.9
0°-40°	1654.4	96.2
0°-60°	1718.7	99.9
0°-90°	1720.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1720.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3862	
5°	3709	338
15°	2479	677
25°	993	463
35°	266	176
45°	58	49
55°	17	15
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3861.5
2.5°	3820.3
5°	3709.0
7.5°	3500.8
10°	3224.8
12.5°	2873.7
15°	2479.1
17.5°	2074.8
20°	1670.5
22.5°	1312.2
25°	992.6
27.5°	728.7
30°	527.8
32.5°	375.3
35°	266.3
37.5°	186.4
40°	123.5
42.5°	82.3
45°	58.1
47.5°	41.2
50°	29.1
52.5°	21.8
55°	16.9
57.5°	12.1
60°	7.3
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



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— 0°-180°







(END OF REPORT)