

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 EU2B20FL408035 2LBD*LI**

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 (P29152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL408035 2LBD*LI
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1889.6 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

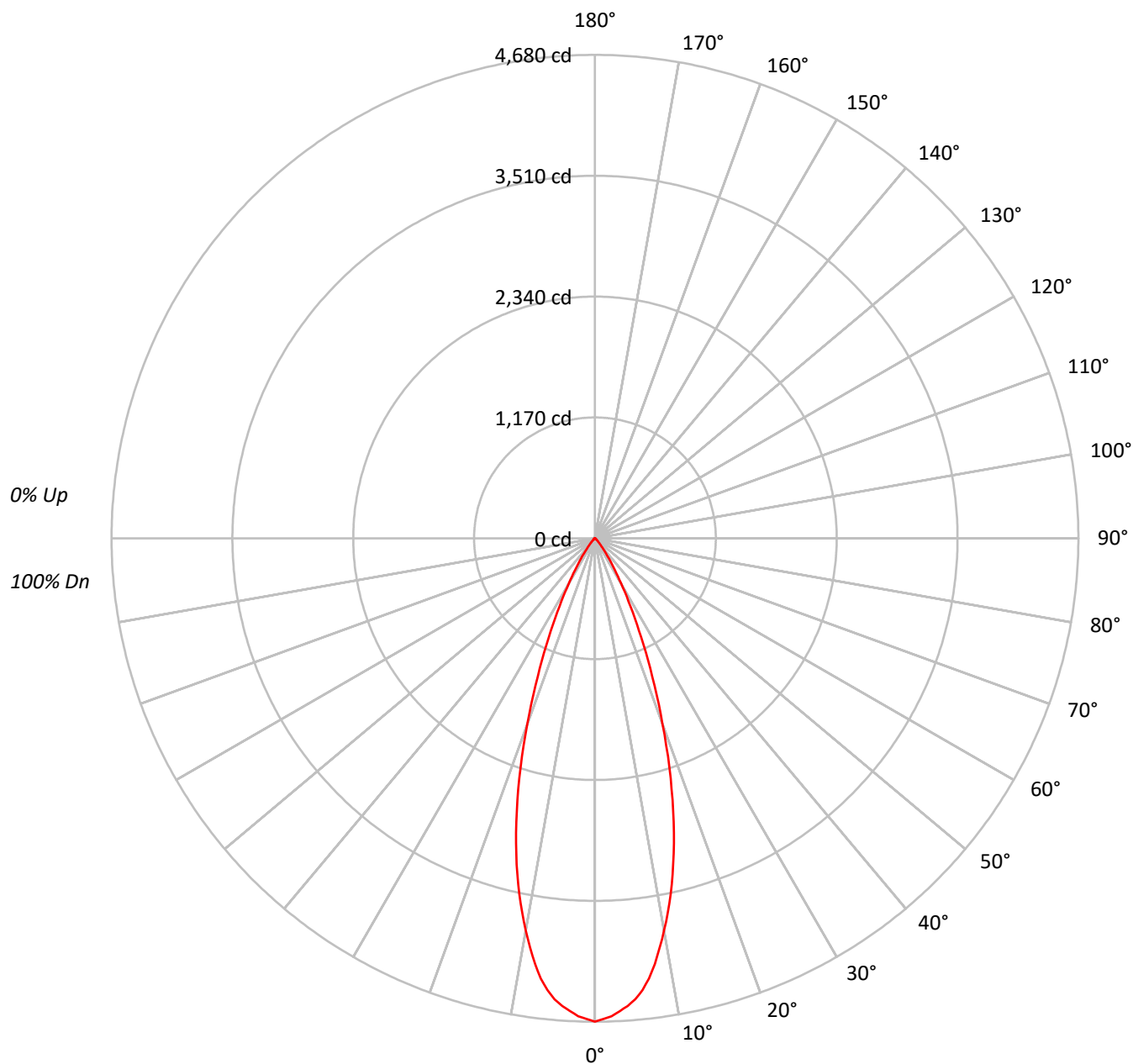
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1812624
5°	1741861
10°	1516333
15°	1184062
20°	787435
25°	450895
30°	224171
35°	103037
40°	41311
45°	18899
50°	8738
55°	4930
60°	2789
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.7	21.6
10°-20°	800.7	42.4
20°-30°	495.5	26.2
30°-40°	148.3	7.8
40°-50°	29.7	1.6
50°-60°	7.2	0.4
60°-70°	0.4	0.0
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°	1703.9	90.2
0°-40°	1852.2	98.0
0°-60°	1889.2	100.0
0°-90°	1889.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1889.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4680	
5°	4480	408
15°	2953	801
25°	1055	496
35°	218	148
45°	34	30
55°	7	7
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4679.6
1°	4654.2
2°	4630.5
3°	4583.3
4°	4539.8
5°	4479.8
6°	4398.1
7°	4294.6
8°	4162.0
9°	4011.3
10°	3855.2
11°	3693.5
12°	3521.0
13°	3341.3
14°	3148.8
15°	2952.7
17.5°	2435.1
20°	1910.3
22.5°	1445.5
25°	1055.0
27.5°	740.9
30°	501.2
32.5°	330.5
35°	217.9
37.5°	136.2
40°	81.7
42.5°	52.7
45°	34.5
47.5°	21.8
50°	14.5
52.5°	10.9
55°	7.3
57.5°	5.4
60°	3.6
62.5°	0.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)