

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: P264783

Luminaire Tested: **LD2B20D010 EU2B2010SP158040 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B2010SP158040 2LBDL*LI
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1842.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

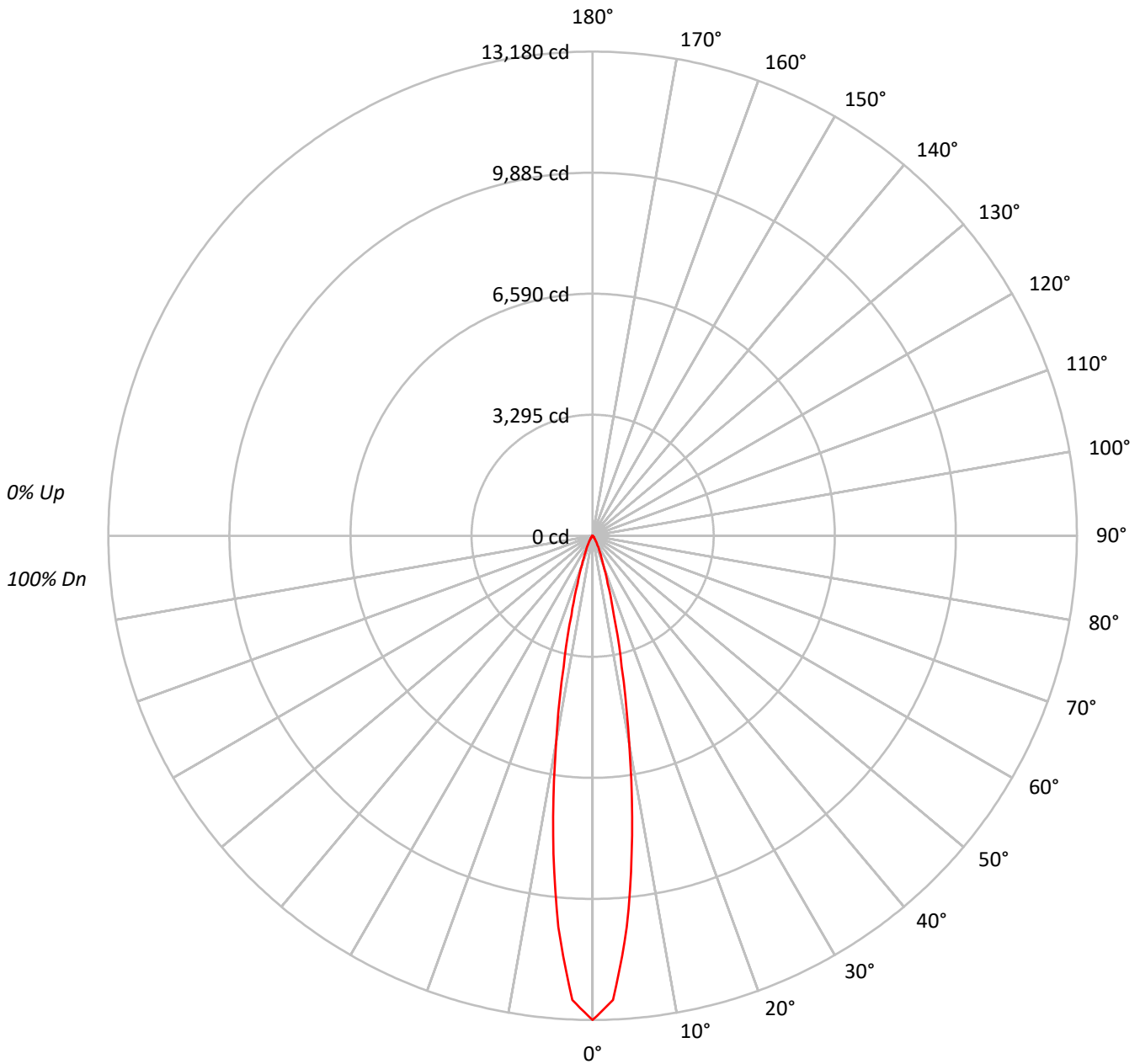
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									50									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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	102	102	102	100	100	100	100	100	100	100	100	100	100	100	100															
	1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97	97	97	97	97	97	97	97	97	97	97	97															
	2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94	94	94	94	94	94	94	94	94	94															
	3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92	92	92	92	92	92	92	92	92															
	4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89	89	89	89	89	89	89	89	89	89															
	5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87	87	87	87	87	87	87	87	87	87															
	6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85	85	85	85	85	85	85	85	85	85	85	85															
	7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83	83	83	83	83	83	83	83	83	83	83	83															
	8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81	81	81	81	81	81	81	81	81															
	9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79	79	79	79	79	79	79	79	79	79	79	79															
	10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78	78	78	78	78	78	78	78	78	78	78	78															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6502656
5°	5292500
10°	2858851
15°	1139927
20°	457086
25°	218889
30°	113481
35°	59987
40°	33232
45°	20583
50°	14123
55°	9548
60°	7302
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.4	46.7
10°-20°	678.1	36.8
20°-30°	200.0	10.9
30°-40°	66.6	3.6
40°-50°	25.0	1.4
50°-60°	11.1	0.6
60°-70°	1.8	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°	1737.5	94.3
0°-40°	1804.1	97.9
0°-60°	1840.2	99.9
0°-90°	1842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1842.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13180	
5°	10687	859
15°	2232	678
25°	402	200
35°	100	67
45°	30	25
55°	11	11
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13180.3
2.5°	12649.1
5°	10686.6
7.5°	8233.5
10°	5706.6
12.5°	3652.0
15°	2231.8
17.5°	1361.2
20°	870.6
22.5°	582.8
25°	402.1
27.5°	284.0
30°	199.2
32.5°	140.2
35°	99.6
37.5°	70.1
40°	51.6
42.5°	40.6
45°	29.5
47.5°	25.8
50°	18.4
52.5°	14.8
55°	11.1
57.5°	11.1
60°	7.4
62.5°	3.7
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)