

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: **LD2B05D010 EU2B0510SP158035 2LBPIN**

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 (P14823)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B05D010 EU2B0510SP158035 2LBPIN
Description: 500 Lumen, 2inch Portfolio LED Downlight
SPOT OPTIC
ROUND PINHOLE BLACK OCULUS
Light Source: -
Ballast/Driver: -

Summary

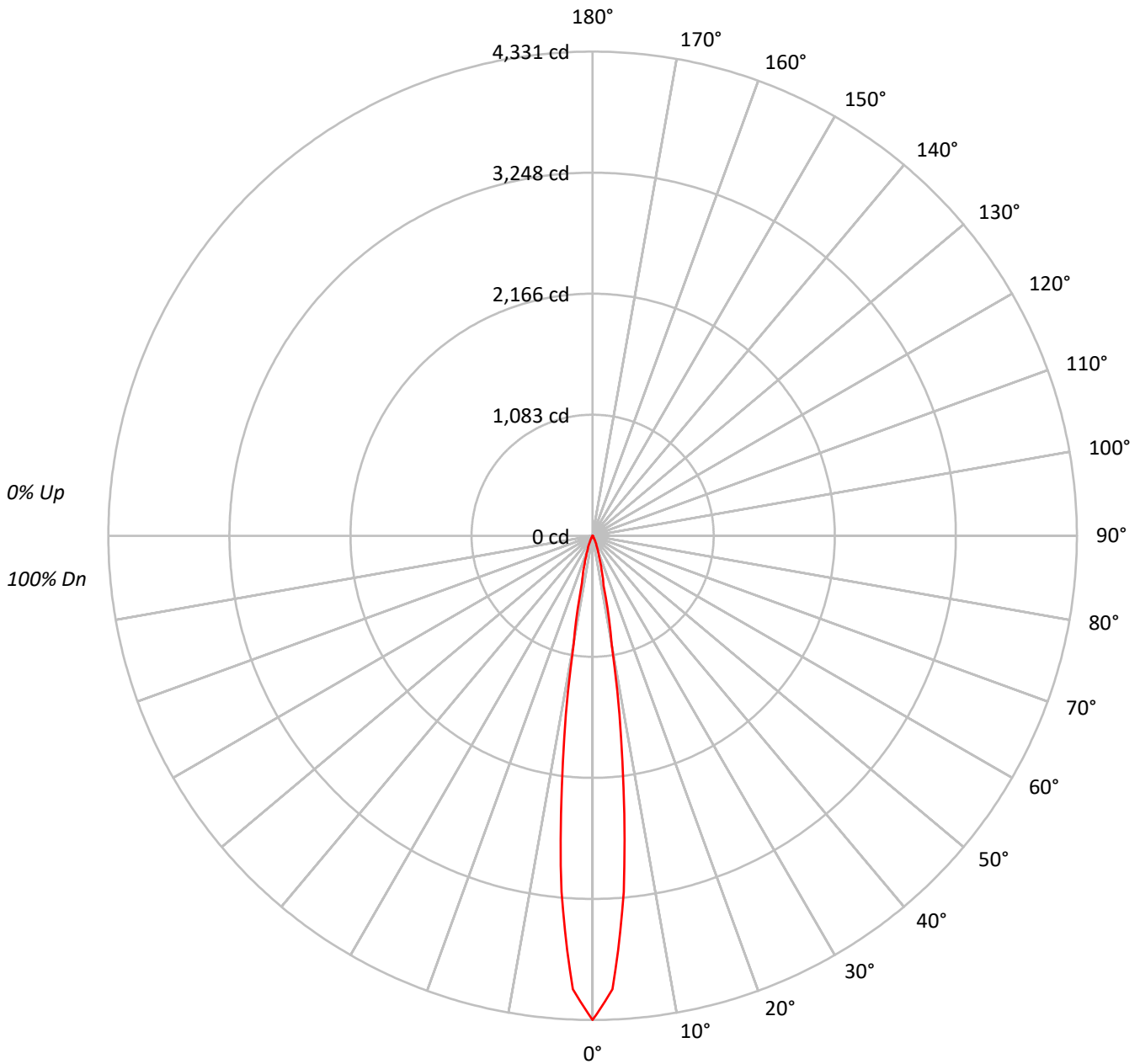
Lumens per Lamp: N/A
Luminaire Lumens: 365.7 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.3
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									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	95																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	105	101	97	95	104	100	97	95	98	96	94	97	95	93	96	94	92	91																			
6	103	98	95	93	102	98	95	93	97	94	92	95	93	91	94	92	91	90																			
7	102	96	93	91	101	96	93	91	95	92	90	94	92	90	93	91	89	89																			
8	100	95	91	89	99	94	91	89	93	91	89	93	90	88	92	90	88	87																			
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86																			
10	97	92	88	86	96	91	88	86	91	88	86	90	88	86	90	87	86	85																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1678199
5°	1244184
10°	386853
15°	123235
20°	53730
25°	23814
30°	8814
35°	4257
40°	2883
45°	1808
50°	965
55°	1081
60°	620
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	63.3
10°-20°	96.7	26.4
20°-30°	27.7	7.6
30°-40°	6.2	1.7
40°-50°	2.6	0.7
50°-60°	1.2	0.3
60°-70°	0.1	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°	355.7	97.3
0°-40°	361.9	99.0
0°-60°	365.6	100.0
0°-90°	365.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	365.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4331	
5°	3199	231
15°	307	97
25°	56	28
35°	9	6
45°	3	3
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4331.0
2.5°	4060.6
5°	3198.7
7.5°	2039.3
10°	983.2
12.5°	457.2
15°	307.2
17.5°	190.9
20°	130.3
22.5°	88.5
25°	55.7
27.5°	32.8
30°	19.7
32.5°	12.3
35°	9.0
37.5°	6.6
40°	5.7
42.5°	4.1
45°	3.3
47.5°	2.5
50°	1.6
52.5°	1.6
55°	1.6
57.5°	0.8
60°	0.8
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)