

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: P224913

Luminaire Tested: **LD2B10D010 EU2B10FL409030 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL409030 2LBD*H
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 824.5 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

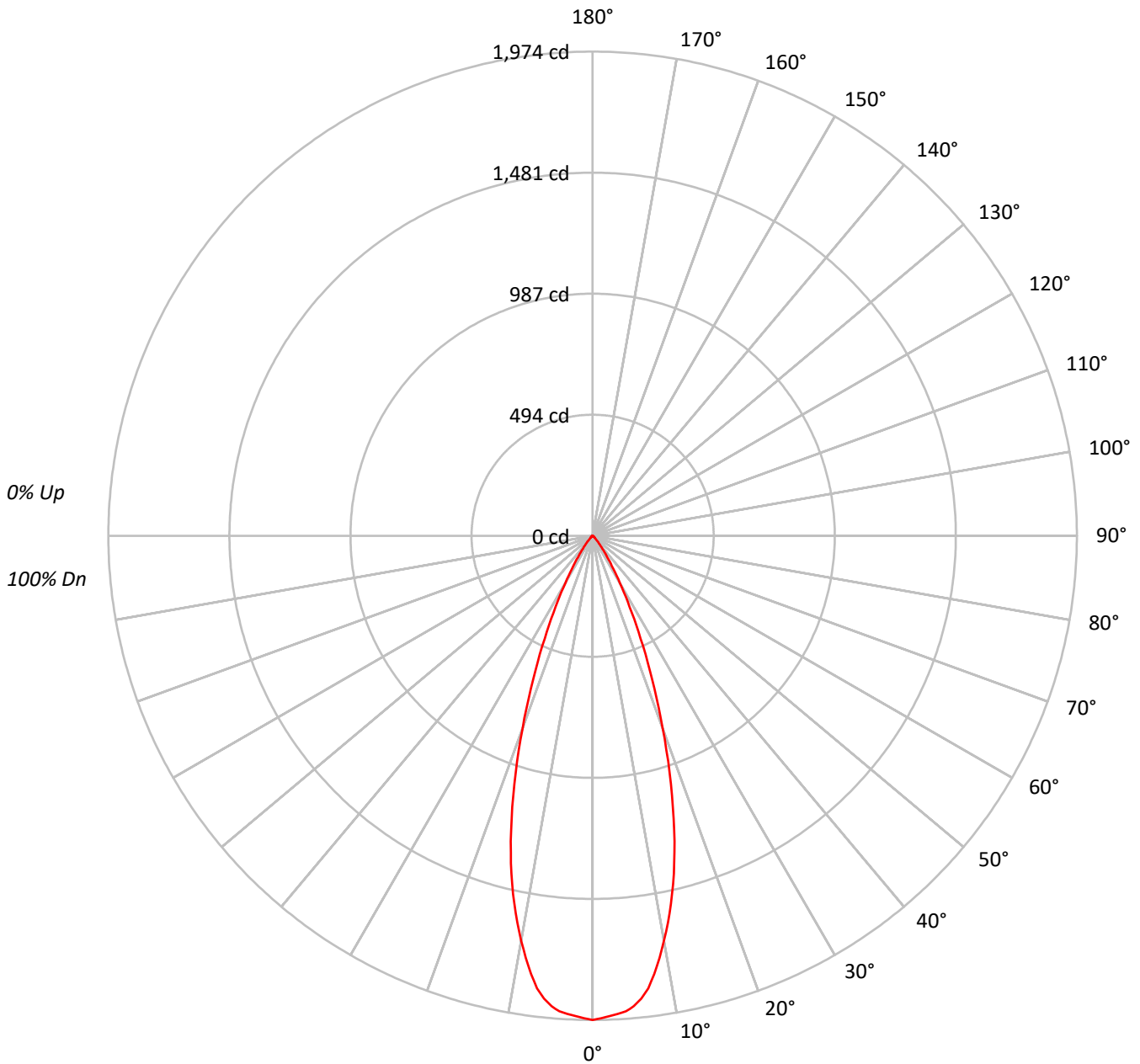
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91	91	91	91
3	106	100	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87	87	87	87
4	102	96	91	88	100	94	90	87	92	89	86	91	88	85	89	86	84	83	83	83	83
5	98	91	86	83	96	90	86	82	89	85	82	87	84	81	86	83	80	79	79	79	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76	76	76	76
7	91	83	78	75	90	83	78	75	82	77	74	80	77	74	79	76	74	73	73	73	73
8	88	80	75	72	87	79	75	72	78	74	71	77	74	71	77	73	71	70	70	70	70
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	70	68	67	67	67	67
10	82	74	69	66	81	73	69	66	73	69	66	72	68	66	71	68	65	64	64	64	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	764737
5°	748723
10°	659443
15°	517383
20°	343573
25°	197240
30°	98891
35°	45678
40°	18557
45°	8326
50°	4339
55°	2701
60°	1240
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	21.3
10°-20°	349.2	42.4
20°-30°	217.0	26.3
30°-40°	65.4	7.9
40°-50°	13.4	1.6
50°-60°	3.5	0.4
60°-70°	0.2	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°	742.0	90.0
0°-40°	807.5	97.9
0°-60°	824.3	100.0
0°-90°	824.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1974	
5°	1926	176
15°	1290	349
25°	462	217
35°	97	65
45°	15	13
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1974.3
1°	1968.0
2°	1959.2
3°	1952.8
4°	1943.2
5°	1925.6
6°	1897.7
7°	1859.4
8°	1804.3
9°	1742.0
10°	1676.6
11°	1607.1
12°	1534.5
13°	1458.6
14°	1375.6
15°	1290.2
17.5°	1061.0
20°	833.5
22.5°	632.3
25°	461.5
27.5°	325.7
30°	221.1
32.5°	145.3
35°	96.6
37.5°	59.9
40°	36.7
42.5°	24.0
45°	15.2
47.5°	9.6
50°	7.2
52.5°	4.8
55°	4.0
57.5°	2.4
60°	1.6
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)