

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: P264190

Luminaire Tested: **LD2B10D010 EU2B1010SP159024 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B1010SP159024 2LBD*WMH
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 660.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

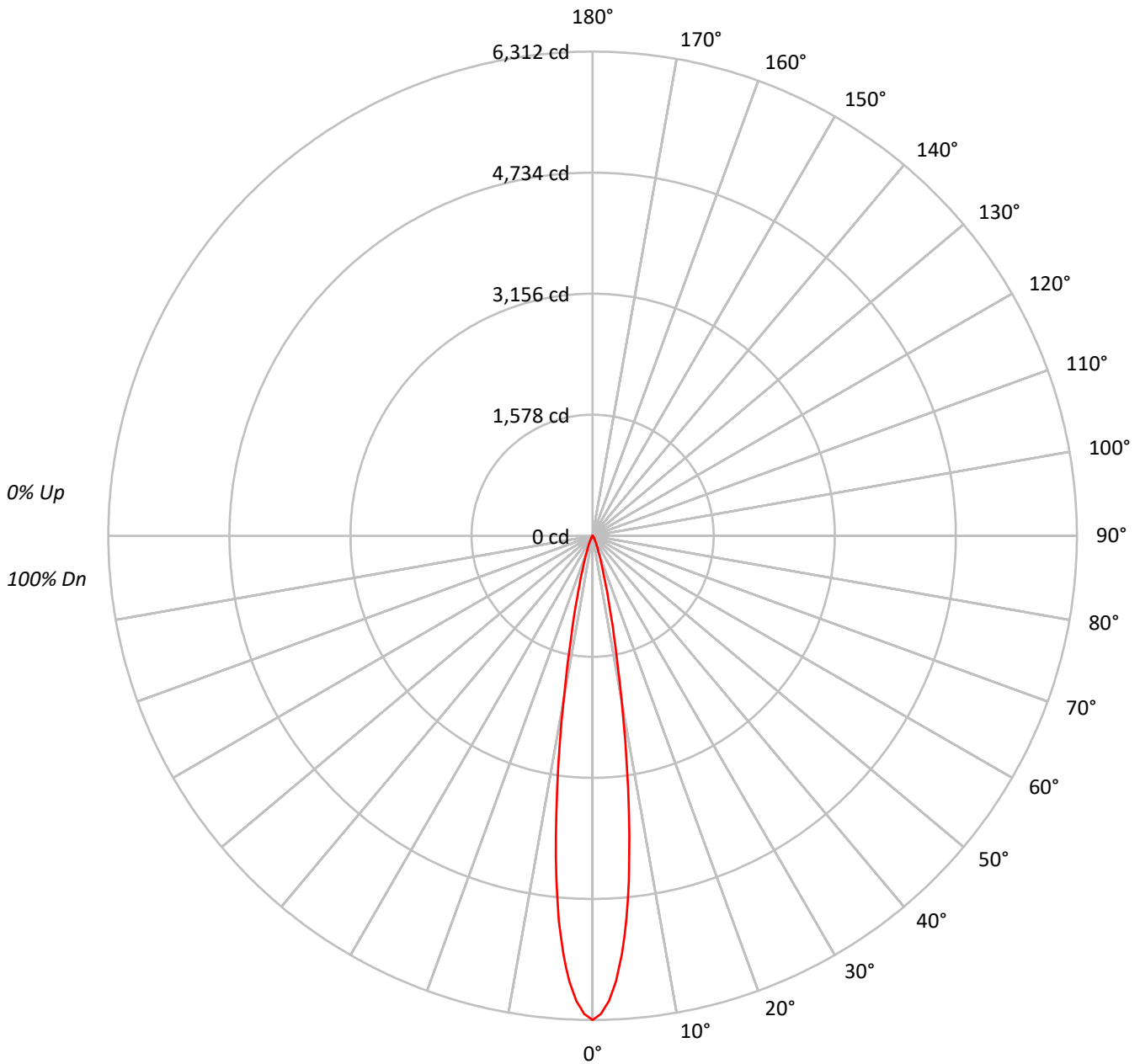
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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																												
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	97	96	96	95	94	94	93	92	92	91	90																
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	95	94	94	93	92	92	91	90	89	89	88																
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	94	94	93	92	92	91	90	90	89	88	87	87	86	85																
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	94	92	92	91	90	90	89	88	87	87	86	85	85	84	83																
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	90	89	88	87	86	85	85	84	83	82	81	80																
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77																
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	86	85	84	83	82	81	80	79	78	77	76	75																
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74																
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	84	83	82	81	80	79	78	77	76	75	74	73	72																
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83	82	81	80	79	78	77	76	75	74	73	72	71																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3114297
5°	2496240
10°	1089515
15°	337616
20°	117711
25°	51987
30°	23528
35°	12226
40°	6956
45°	3279
50°	2072
55°	1204
60°	691
65°	817
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.8	58.0
10°-20°	209.6	31.8
20°-30°	47.8	7.2
30°-40°	13.7	2.1
40°-50°	4.2	0.6
50°-60°	1.3	0.2
60°-70°	0.6	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°	640.2	97.0
0°-40°	653.9	99.1
0°-60°	659.4	99.9
0°-90°	660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	660.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6312	
5°	5040	383
15°	661	210
25°	96	48
35°	20	14
45°	5	4
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6312.4
1°	6233.8
2°	6070.6
3°	5817.3
4°	5469.1
5°	5040.4
6°	4514.8
7°	3927.6
8°	3314.7
9°	2721.4
10°	2174.8
11°	1712.2
12°	1347.8
13°	1060.6
14°	837.8
15°	661.0
16°	521.5
17°	415.2
18°	333.9
19°	271.6
20°	224.2
22.5°	144.9
25°	95.5
26°	80.6
27°	68.4
28°	57.6
29°	48.1
30°	41.3
32.5°	28.4
35°	20.3
37.5°	14.9
40°	10.8
42.5°	7.5
45°	4.7
47.5°	3.4
50°	2.7
52.5°	2.0
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7



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CANDELA DISTRIBUTION (continued):

	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°







70°		0.0
72.5°		0.0



(END OF REPORT)