

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: P264297

Luminaire Tested: **LD2B10D010 EU2B1010SP159030 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264297
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 EU2B1010SP159030 2LBDC*MW
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 778.0 lumens
Efficiency: N/A
Efficacy: 75.5 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

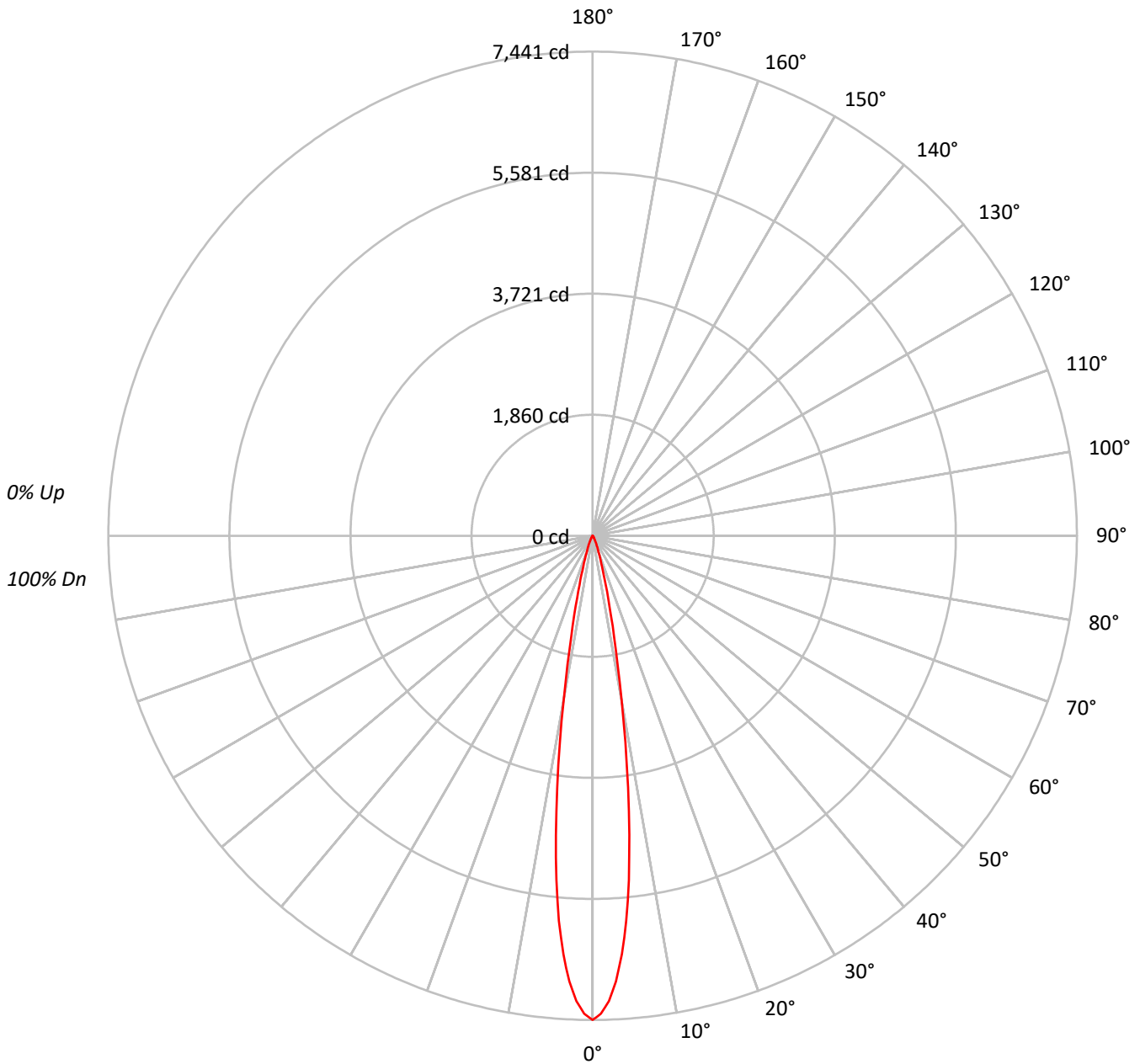
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264297

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030 2LBDC*MW

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	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
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3671056
5°	2942556
10°	1284294
15°	397989
20°	138764
25°	61295
30°	27744
35°	14455
40°	8244
45°	3907
50°	2456
55°	1376
60°	789
65°	934
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.2	58.0
10°-20°	247.1	31.8
20°-30°	56.3	7.2
30°-40°	16.2	2.1
40°-50°	5.0	0.6
50°-60°	1.5	0.2
60°-70°	0.7	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°	754.6	97.0
0°-40°	770.8	99.1
0°-60°	777.3	99.9
0°-90°	778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7441	
5°	5942	451
15°	779	247
25°	113	56
35°	24	16
45°	6	5
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7440.9
1°	7348.3
2°	7155.9
3°	6857.3
4°	6447.0
5°	5941.6
6°	5322.0
7°	4629.8
8°	3907.3
9°	3207.9
10°	2563.6
11°	2018.3
12°	1588.8
13°	1250.3
14°	987.6
15°	779.2
16°	614.8
17°	489.4
18°	393.6
19°	320.2
20°	264.3
22.5°	170.9
25°	112.6
26°	95.0
27°	80.6
28°	67.9
29°	56.7
30°	48.7
32.5°	33.5
35°	24.0
37.5°	17.6
40°	12.8
42.5°	8.8
45°	5.6
47.5°	4.0
50°	3.2
52.5°	2.4
55°	1.6
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8



TEST NUMBER: P264297

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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)