

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: P264455

Luminaire Tested: **LD2B10D010 EU2B1010SP159050 2LBSQC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264455
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 EU2B1010SP159050 2LBSQC*MB
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 836.0 lumens
Efficiency: N/A
Efficacy: 81.2 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

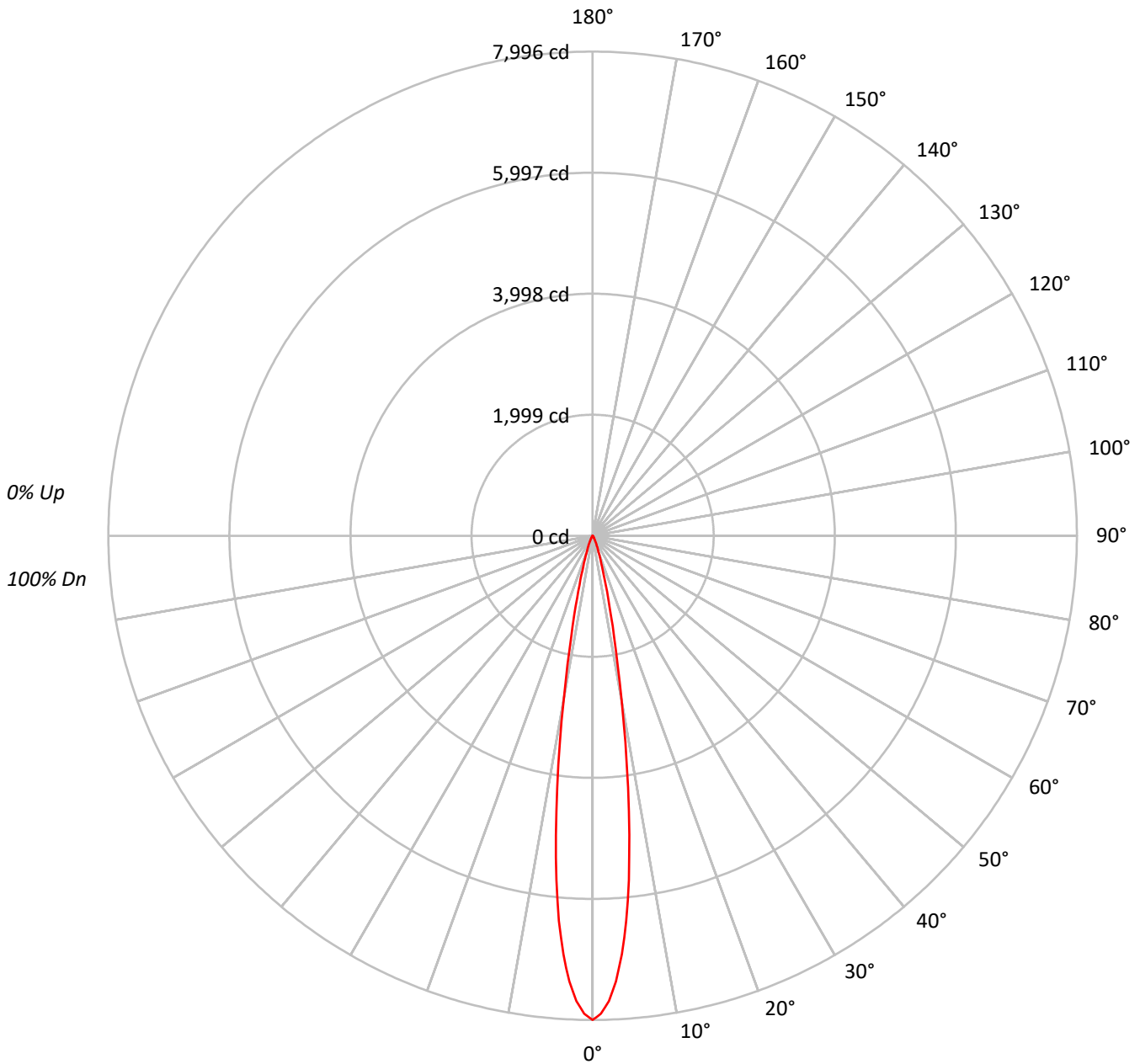
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264455

CATALOG NUMBER: LD2B10D010 EU2B1010SP159050 2LBSQC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P264455

CATALOG NUMBER: LD2B10D010 EU2B1010SP159050 2LBSQC*MB

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°	3944773
5°	3161900
10°	1380029
15°	427664
20°	149107
25°	65868
30°	29795
35°	15479
40°	8823
45°	4186
50°	2610
55°	1462
60°	888
65°	1051
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264455

CATALOG NUMBER: LD2B10D010 EU2B1010SP159050 2LBSQC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.8	58.0
10°-20°	265.5	31.8
20°-30°	60.5	7.2
30°-40°	17.4	2.1
40°-50°	5.4	0.6
50°-60°	1.6	0.2
60°-70°	0.8	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°	810.9	97.0
0°-40°	828.3	99.1
0°-60°	835.2	99.9
0°-90°	836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7996	
5°	6384	485
15°	837	266
25°	121	61
35°	26	17
45°	6	5
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264455

CATALOG NUMBER: LD2B10D010 EU2B1010SP159050 2LBSQC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	7995.7
1°	7896.2
2°	7689.4
3°	7368.5
4°	6927.6
5°	6384.5
6°	5718.8
7°	4975.0
8°	4198.6
9°	3447.1
10°	2754.7
11°	2168.8
12°	1707.2
13°	1343.5
14°	1061.2
15°	837.3
16°	660.6
17°	525.9
18°	422.9
19°	344.0
20°	284.0
22.5°	183.6
25°	121.0
26°	102.1
27°	86.6
28°	72.9
29°	60.9
30°	52.3
32.5°	36.0
35°	25.7
37.5°	18.9
40°	13.7
42.5°	9.4
45°	6.0
47.5°	4.3
50°	3.4
52.5°	2.6
55°	1.7
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9



TEST NUMBER: P264455

CATALOG NUMBER: LD2B10D010 EU2B1010SP159050 2LBSQC*MB

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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







70°		0.0
72.5°		0.0



(END OF REPORT)