

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: P264977

Luminaire Tested: **LD2B10D010 EU2B1010SP159030D2W 2LBSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B1010SP159030D2W 2LBSQLC*MMS
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 517.3 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

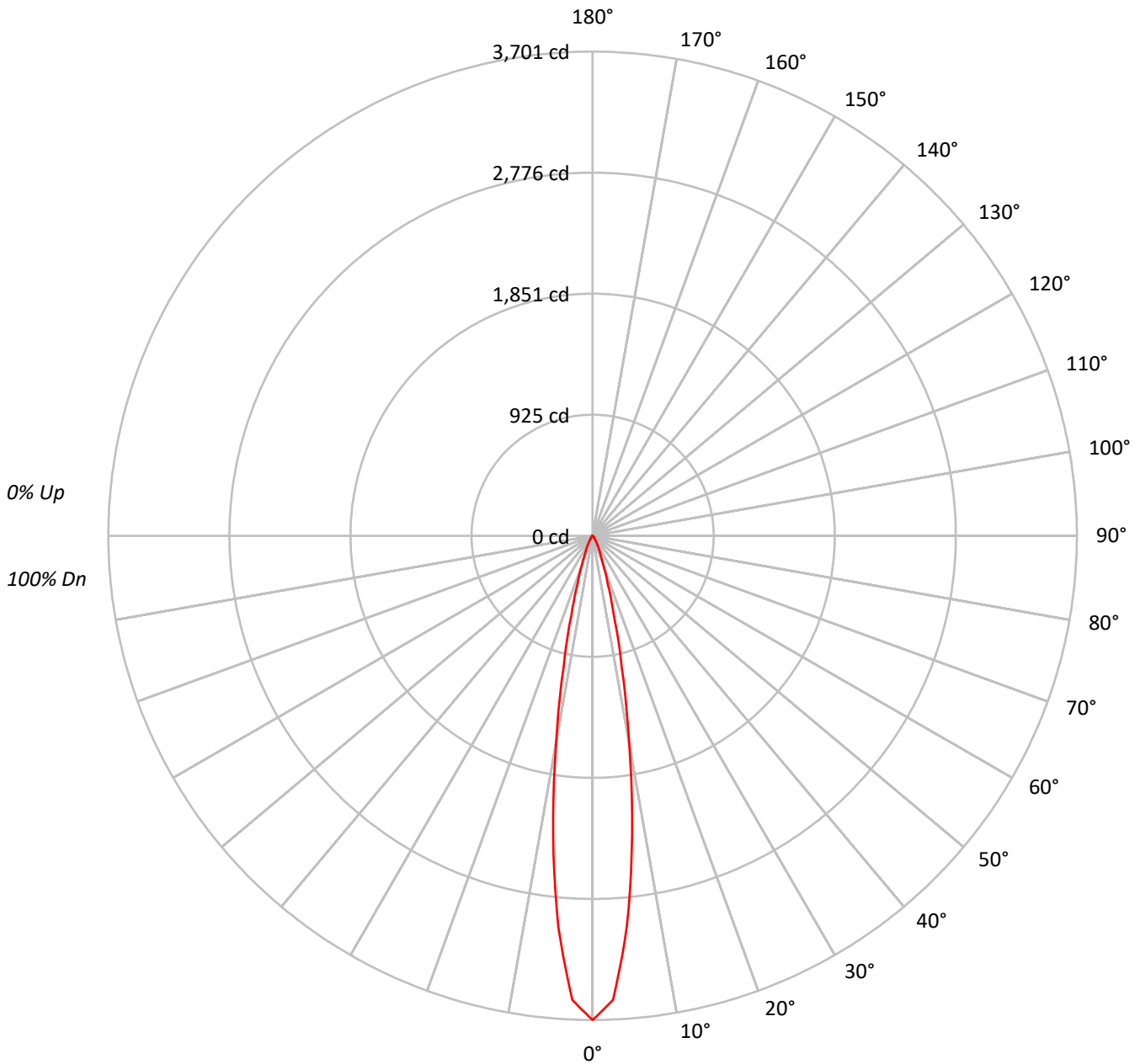
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264977

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030D2W 2LBSQLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P264977

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030D2W 2LBSQLC*MMS

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	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1826031
5°	1486185
10°	802809
15°	320097
20°	128369
25°	61459
30°	31845
35°	16864
40°	9339
45°	5791
50°	3991
55°	2666
60°	2072
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264977

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030D2W 2LBSQLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	46.7
10°-20°	190.4	36.8
20°-30°	56.2	10.9
30°-40°	18.7	3.6
40°-50°	7.0	1.4
50°-60°	3.1	0.6
60°-70°	0.5	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°	487.9	94.3
0°-40°	506.6	97.9
0°-60°	516.8	99.9
0°-90°	517.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3701	
5°	3001	241
15°	627	190
25°	113	56
35°	28	19
45°	8	7
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264977

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030D2W 2LBSQLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	3701.2
2.5°	3552.1
5°	3000.9
7.5°	2312.1
10°	1602.5
12.5°	1025.5
15°	626.7
17.5°	382.2
20°	244.5
22.5°	163.7
25°	112.9
27.5°	79.8
30°	55.9
32.5°	39.4
35°	28.0
37.5°	19.7
40°	14.5
42.5°	11.4
45°	8.3
47.5°	7.3
50°	5.2
52.5°	4.1
55°	3.1
57.5°	3.1
60°	2.1
62.5°	1.0
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)