

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: P264652

Luminaire Tested: **LD2B05D010 EU2B0510SP158030 2LBSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264652
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: LD2B05D010 EU2B0510SP158030 2LBSQLC*MMS
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 650.0 lumens
Efficiency: N/A
Efficacy: 89.0 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

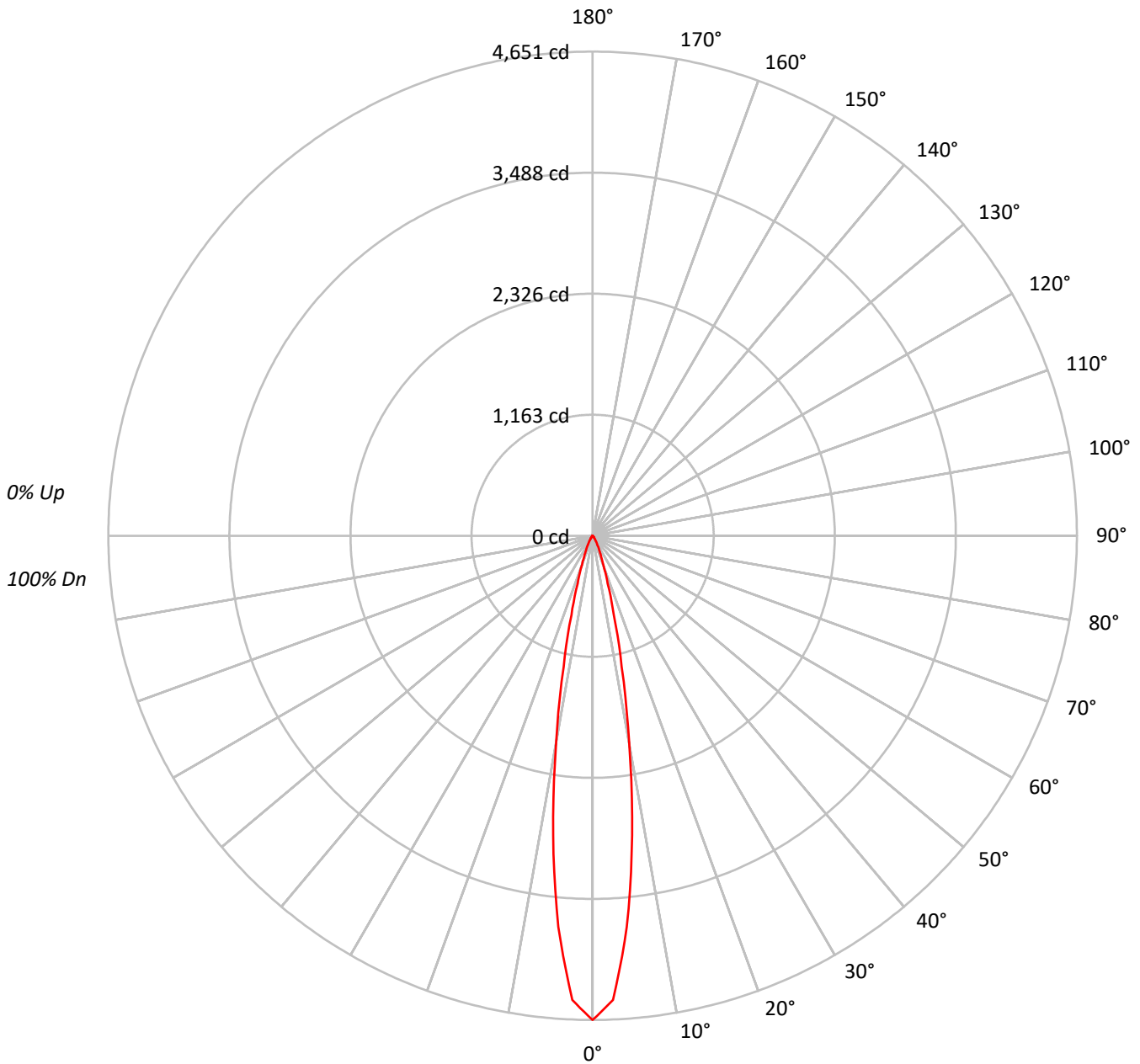
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264652

CATALOG NUMBER: LD2B05D010 EU2B0510SP158030 2LBSQLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P264652

CATALOG NUMBER: LD2B05D010 EU2B0510SP158030 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	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	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97	97	97	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92
4	106	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85	85	85	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83	83	83	83
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79	79	79	79
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78	78	78	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2294626
5°	1867624
10°	1008809
15°	402228
20°	161288
25°	77245
30°	40049
35°	21140
40°	11721
45°	7256
50°	4989
55°	3355
60°	2565
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264652

CATALOG NUMBER: LD2B05D010 EU2B0510SP158030 2LBSQLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.3	46.7
10°-20°	239.3	36.8
20°-30°	70.6	10.9
30°-40°	23.5	3.6
40°-50°	8.8	1.4
50°-60°	3.9	0.6
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°	613.1	94.3
0°-40°	636.6	97.9
0°-60°	649.3	99.9
0°-90°	650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	650.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4651	
5°	3771	303
15°	788	239
25°	142	71
35°	35	23
45°	10	9
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264652

CATALOG NUMBER: LD2B05D010 EU2B0510SP158030 2LBSQLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	4651.0
2.5°	4463.6
5°	3771.1
7.5°	2905.4
10°	2013.7
12.5°	1288.7
15°	787.5
17.5°	480.3
20°	307.2
22.5°	205.7
25°	141.9
27.5°	100.2
30°	70.3
32.5°	49.5
35°	35.1
37.5°	24.7
40°	18.2
42.5°	14.3
45°	10.4
47.5°	9.1
50°	6.5
52.5°	5.2
55°	3.9
57.5°	3.9
60°	2.6
62.5°	1.3
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)