

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: P264860

Luminaire Tested: **LD2B05D010 EU2B0510SP159024 2LBSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264860
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 EU2B0510SP159024 2LBSQLC*MMS
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 63.8 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

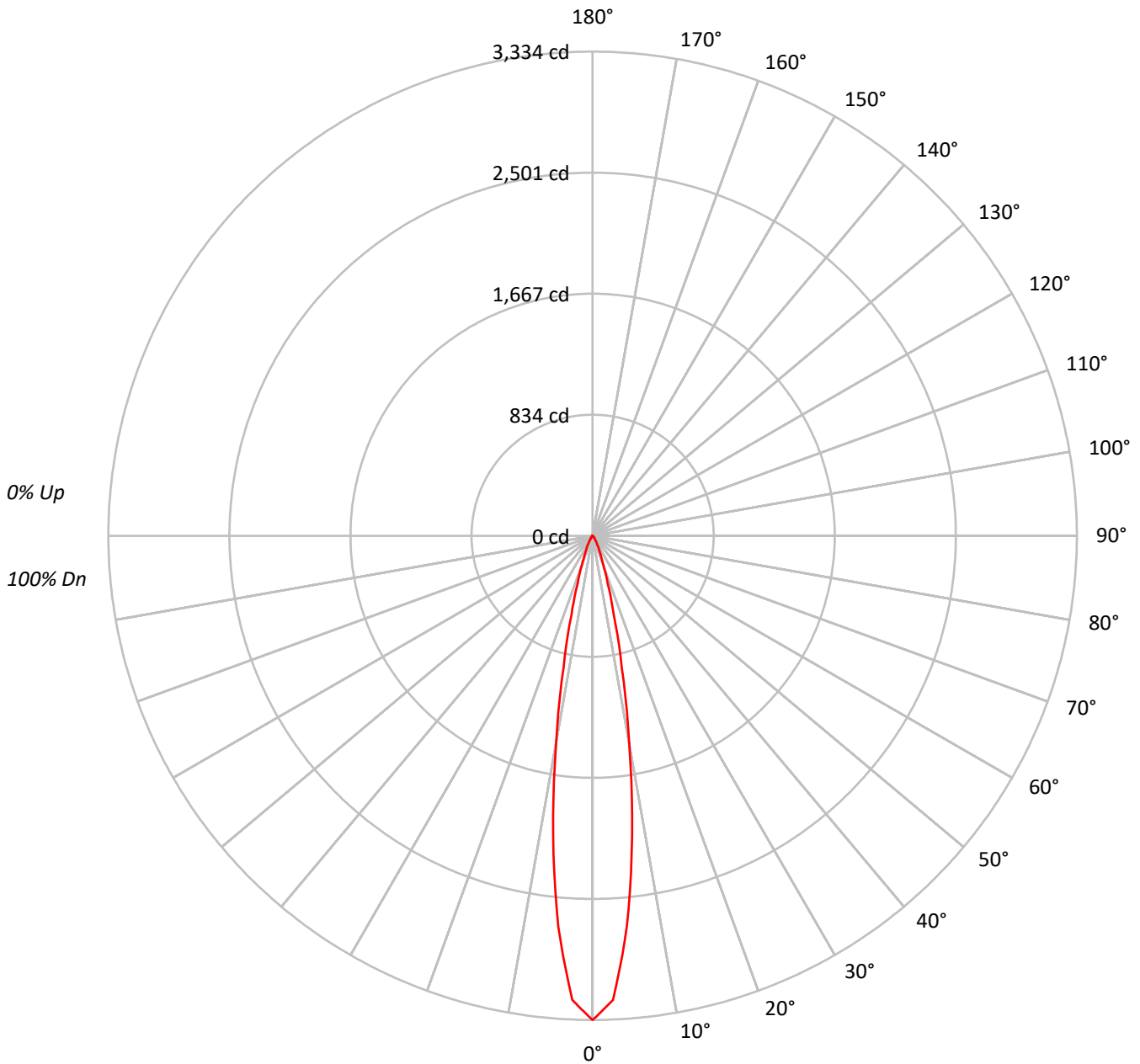
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264860

CATALOG NUMBER: LD2B05D010 EU2B0510SP159024 2LBSQLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P264860

CATALOG NUMBER: LD2B05D010 EU2B0510SP159024 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	105	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°	1645066
5°	1338948
10°	723254
15°	288378
20°	115610
25°	55362
30°	28712
35°	15178
40°	8437
45°	5233
50°	3607
55°	2408
60°	1875
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264860

CATALOG NUMBER: LD2B05D010 EU2B0510SP159024 2LBSQLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	46.7
10°-20°	171.5	36.8
20°-30°	50.6	10.9
30°-40°	16.8	3.6
40°-50°	6.3	1.4
50°-60°	2.8	0.6
60°-70°	0.4	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°	439.6	94.3
0°-40°	456.4	97.9
0°-60°	465.6	99.9
0°-90°	466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3334	
5°	2704	217
15°	565	172
25°	102	51
35°	25	17
45°	8	6
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264860

CATALOG NUMBER: LD2B05D010 EU2B0510SP159024 2LBSQLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	3334.4
2.5°	3200.0
5°	2703.6
7.5°	2083.0
10°	1443.7
12.5°	923.9
15°	564.6
17.5°	344.4
20°	220.2
22.5°	147.4
25°	101.7
27.5°	71.9
30°	50.4
32.5°	35.5
35°	25.2
37.5°	17.7
40°	13.1
42.5°	10.3
45°	7.5
47.5°	6.5
50°	4.7
52.5°	3.7
55°	2.8
57.5°	2.8
60°	1.9
62.5°	0.9
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)