

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: P265137

Luminaire Tested: **LD2B15D010 EU2B1510SP159050 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P265137
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: LD2B15D010 EU2B1510SP159050 2LBDL*GPH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1087.0 lumens
Efficiency: N/A
Efficacy: 76.0 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

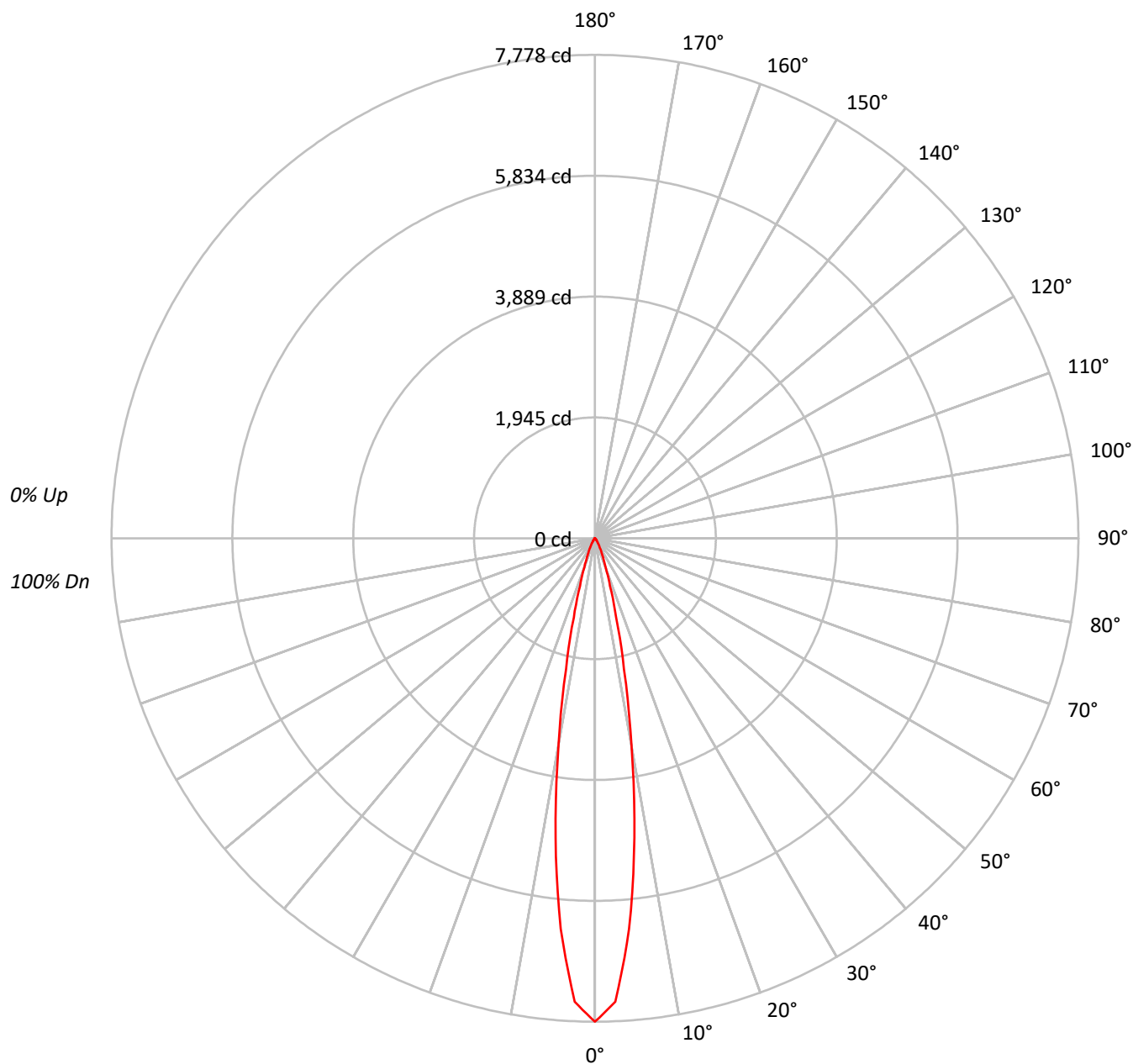
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P265137

CATALOG NUMBER: LD2B15D010 EU2B1510SP159050 2LBDL*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P265137

CATALOG NUMBER: LD2B15D010 EU2B1510SP159050 2LBDL*GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	110		113	111	110	108		107	106	105		104	103	102		100	99	99
2	112	108	106	103		110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	104	101	98		107	103	100	97		100	98	96		98	96	94		96	94	93
4	105	100	97	94		104	99	96	93		97	95	92		96	93	91		94	92	90
5	103	97	93	91		101	96	93	90		95	92	89		93	91	89		92	90	88
6	100	94	90	88		99	94	90	87		92	89	87		91	88	86		90	88	86
7	98	92	88	85		97	91	88	85		90	87	85		89	86	84		88	86	84
8	95	89	86	83		94	89	85	83		88	85	82		87	84	82		86	84	82
9	93	87	83	81		92	87	83	81		86	83	81		85	82	80		85	82	80
10	91	85	82	79		91	85	81	79		84	81	79		84	81	79		83	80	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3837319
5°	3123222
10°	1687076
15°	672678
20°	269705
25°	129178
30°	66995
35°	35414
40°	19643
45°	12140
50°	8366
55°	5591
60°	4342
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P265137

CATALOG NUMBER: LD2B15D010 EU2B1510SP159050 2LBDL*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.2	46.7
10°-20°	400.1	36.8
20°-30°	118.0	10.9
30°-40°	39.3	3.6
40°-50°	14.7	1.4
50°-60°	6.5	0.6
60°-70°	1.1	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°	1025.3	94.3
0°-40°	1064.7	97.9
0°-60°	1085.9	99.9
0°-90°	1087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1087.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7778	
5°	6306	507
15°	1317	400
25°	237	118
35°	59	39
45°	17	15
55°	6	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P265137

CATALOG NUMBER: LD2B15D010 EU2B1510SP159050 2LBDL*GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	7777.9
2.5°	7464.5
5°	6306.4
7.5°	4858.8
10°	3367.6
12.5°	2155.1
15°	1317.0
17.5°	803.3
20°	513.7
22.5°	343.9
25°	237.3
27.5°	167.6
30°	117.6
32.5°	82.7
35°	58.8
37.5°	41.4
40°	30.5
42.5°	23.9
45°	17.4
47.5°	15.2
50°	10.9
52.5°	8.7
55°	6.5
57.5°	6.5
60°	4.4
62.5°	2.2
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)