

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: P#

Luminaire Tested: **LD2B05D010 EU2B0510SP158050 2LBPINW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14823)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B05D010 EU2B0510SP158050 2LBPINW
Description: 500 Lumen, 2inch Portfolio LED Downlight
SPOT OPTIC
ROUND PINHOLE WHITE OCULUS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 398.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

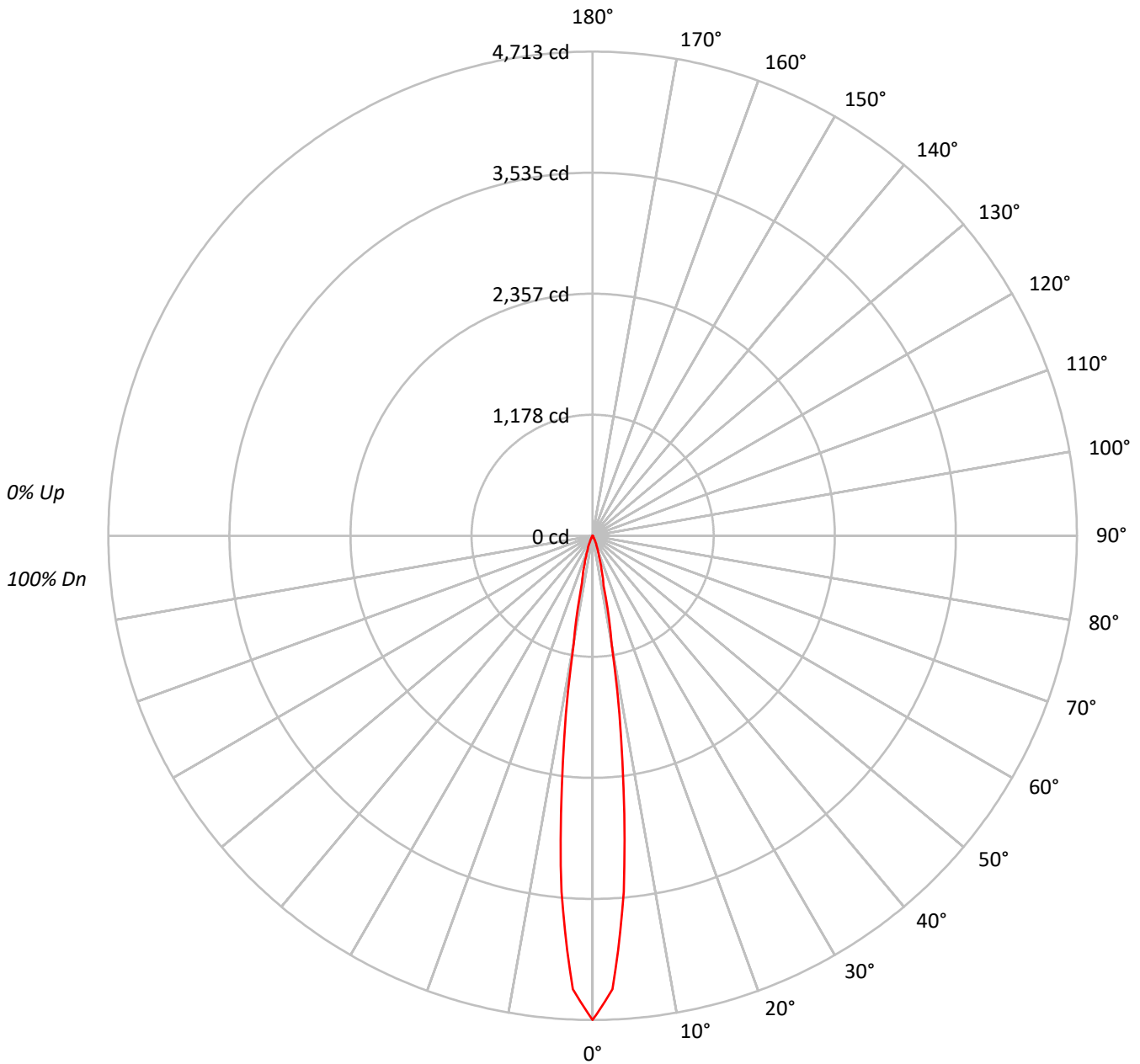
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B0510SP158050 2LBPINW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B0510SP158050 2LBPINW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98	98	98	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96	96	96	96
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	95	95	95	95
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93	93	93	93
5	105	101	97	95	104	100	97	95	98	96	94	97	95	93	96	94	92	91	91	91	91
6	103	98	95	93	102	98	95	92	97	94	92	95	93	91	94	92	91	90	90	90	90
7	101	96	93	91	101	96	93	91	95	92	90	94	92	90	93	91	89	89	89	89	89
8	100	95	91	89	99	94	91	89	93	91	89	93	90	88	92	90	88	87	87	87	87
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86	86	86	86
10	97	92	88	86	96	91	88	86	91	88	86	90	88	86	90	87	86	85	85	85	85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1826141
5°	1353872
10°	420966
15°	134106
20°	58472
25°	25909
30°	9575
35°	4636
40°	3136
45°	1973
50°	1085
55°	1216
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B0510SP158050 2LBPINW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	63.2
10°-20°	105.2	26.4
20°-30°	30.1	7.6
30°-40°	6.8	1.7
40°-50°	2.8	0.7
50°-60°	1.3	0.3
60°-70°	0.1	0.0
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°	387.0	97.2
0°-40°	393.8	98.9
0°-60°	397.9	100.0
0°-90°	398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	398.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4713	
5°	3481	252
15°	334	105
25°	61	30
35°	10	7
45°	4	3
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B0510SP158050 2LBPINW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4712.8
2.5°	4418.6
5°	3480.7
7.5°	2219.1
10°	1069.9
12.5°	497.5
15°	334.3
17.5°	207.7
20°	141.8
22.5°	96.3
25°	60.6
27.5°	35.7
30°	21.4
32.5°	13.4
35°	9.8
37.5°	7.1
40°	6.2
42.5°	4.5
45°	3.6
47.5°	2.7
50°	1.8
52.5°	1.8
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.0
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)